Final Environmental Impact Statement and Proposed Land-use Plan Amendments for the Energy Gateway South Transmission Project

BLM/WY/PL-14/009+5001
Case Files: WYW-174597
COC-72907
UTU-87237

May 2016

Volume II-A

Maps MV-1 through MV-12

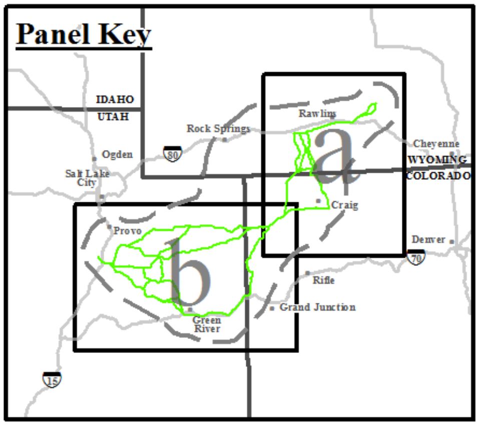
BLM

Wyoming State Office

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ABOUT THE MAP VOLUME

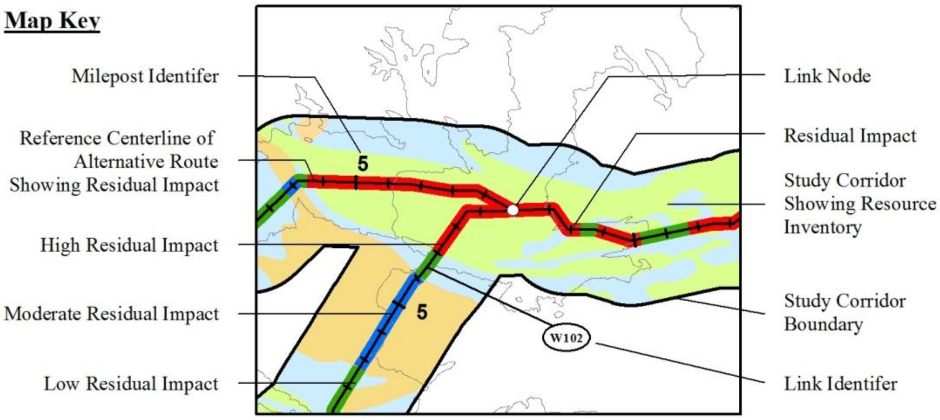
This map volume (MV) accompanies the Final Environmental Impact Statement (EIS) for the Energy Gateway South Transmission Project (Project), a proposed transmission line from the planned Aeolus Substation in Carbon County, Wyoming, to the Clover Substation in Juab County, Utah.



The map volume contains 1 map showing construction access levels that predict (1) the general type of access required for each mile of alternative route and (2) the associated disturbance, 24 maps showing resource inventory and impacts, and 2 maps showing past, present, and reasonably foreseeable future actions (cumulative effects). Each map is divided into two panels illustrating two portions of the Project area. The north-easternmost panel (panel a) illustrates the alternative route from Aeolus Substation to the area near Massadona, Colorado (located approximately 20 miles east of Dinosaur, Colorado). Panel b illustrates the alternative routes from the Massadona area to the Clover Substation.

Every map includes the same base information such as place and feature names, major highways and roads, and existing linear facilities (e.g., transmission lines and pipelines). Each map also includes certain basic Project information such as the alternative routes and substations.

The alternative routes are delineated on the maps and show the reference centerline, centered in the route corridor. Each route is divided into distinct segments referred to as links, which are numbered generally from northeast to southwest. It should be noted data are documented in a geographic information system (GIS) for every tenth mile and often reported in tables supporting the text in the EIS in tenths of a mile. However, for legibility, each link is marked on the maps at every mile; the markers are referred to as mileposts.



The width of the study corridor inventoried varies depending on the resource being addressed. Earth, water, biological, paleontological, and land use and recreation resources were inventoried within a 2-mile-wide study corridor (1 mile on either side of the reference centerline). Visual resources were inventoried within a 6-mile-wide study corridor (3 miles on either side of the reference centerline). The inventoried baseline data are shown in the study corridor and impacts are shown along the reference centerline.

Each map consolidates and illustrates a variety of different information and each legend explains the information unique to each map.

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U.S. Department of the Interior
Bureau of Land Management

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Case Files

Wyoming:	WYW-174597
Colorado:	COC-72907
Utah:	UTU-87237

Volume II-A

BLM Wyoming State Office
5353 Yellowstone Road
Cheyenne, Wyoming 82009

Cooperating Agencies
U.S. Forest Service – Intermountain Region
U.S. Army Corps of Engineers – South Pacific Division
U.S. Army Environmental Center
U.S. Department of Defense – Navy Region Southwest
Bureau of Indian Affairs – Western Region
U.S. Fish and Wildlife Service – Mountain-Prairie Region
National Park Service
Utah Reclamation Mitigation and Conservation Commission
State of Wyoming
State of Colorado
State of Utah
Carbon and Sweetwater counties, Wyoming
Mesa, Moffat, and Rio Blanco counties, Colorado
Carbon, Duchesne, Emery, Grand, Juab, Sanpete, Uintah, and Wasatch counties, Utah
Wyoming Conservation Districts (Little Snake River, Medicine Bow, Saratoga-Encampment-Rawlins, Sweetwater County)

May 2016

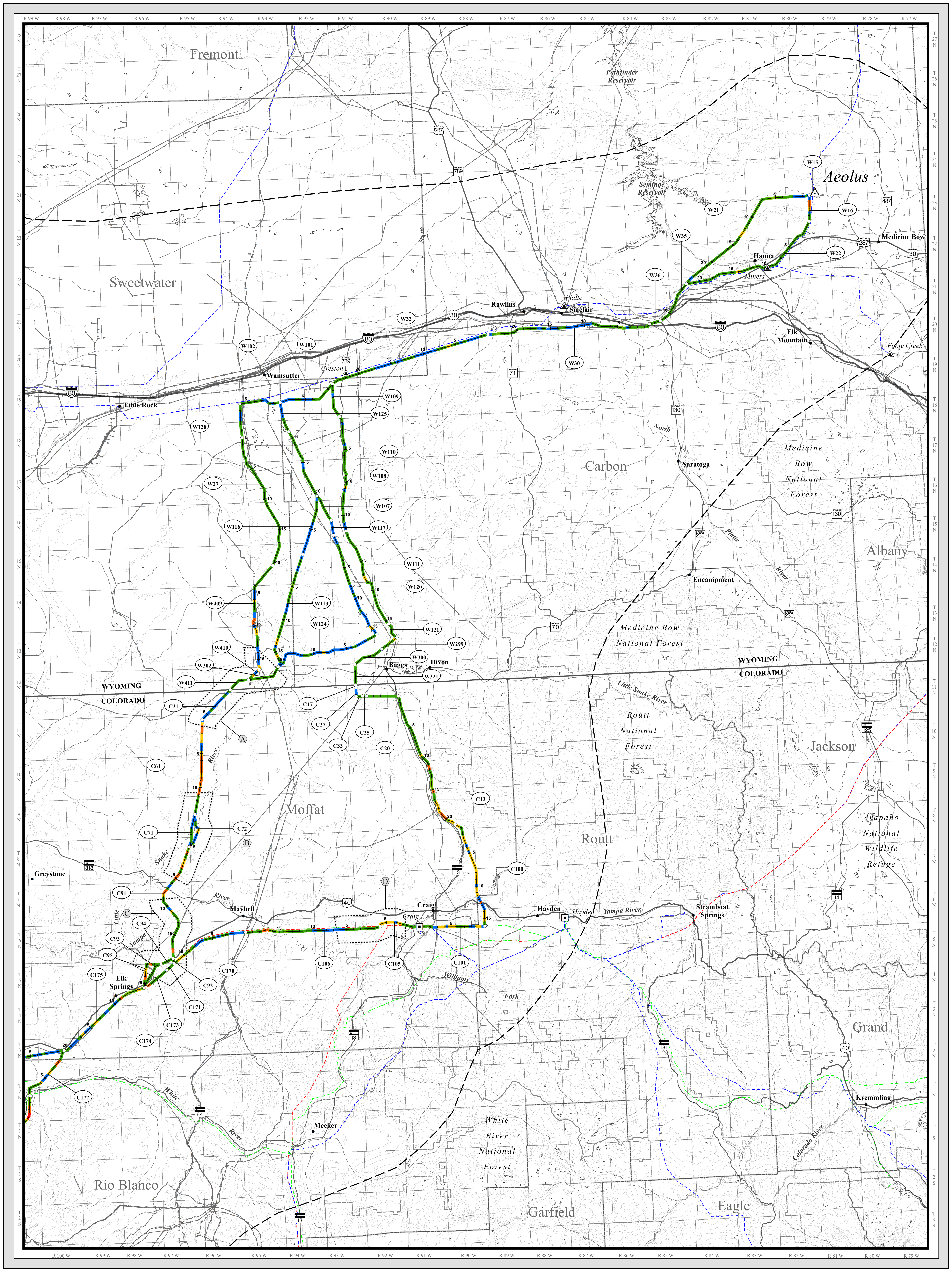
BLM Mission

To sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations.

Access Levels

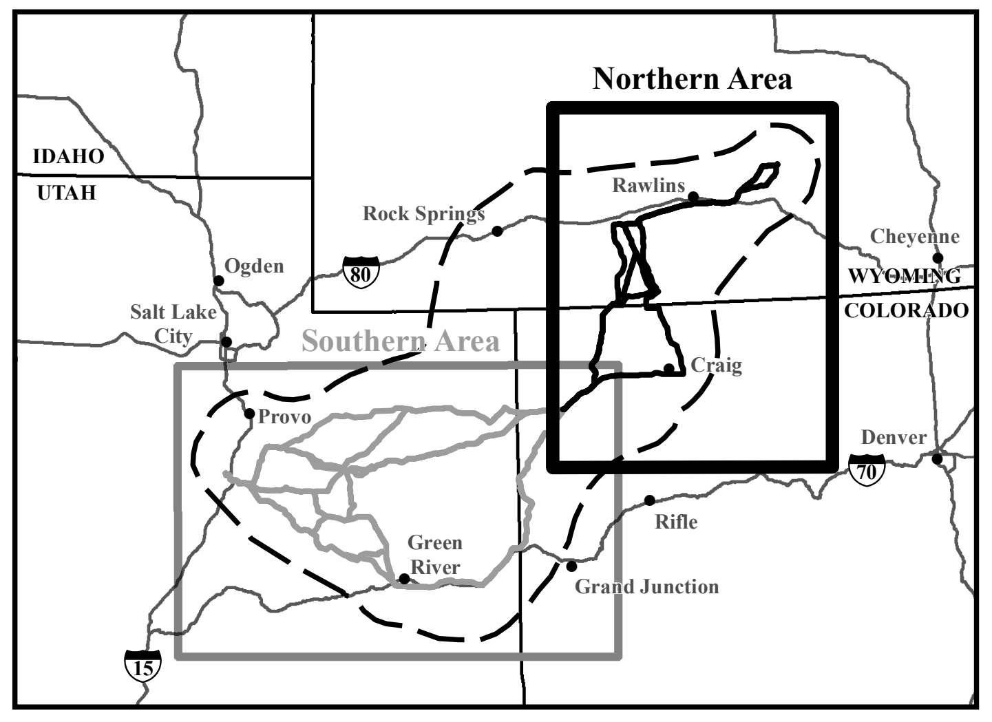
MV-1a

Construction Access Levels



ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

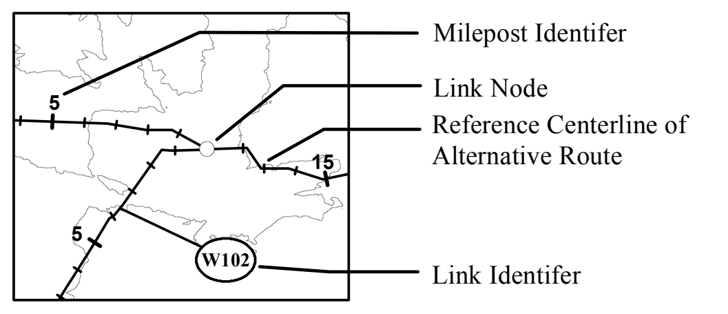


Resource Inventory

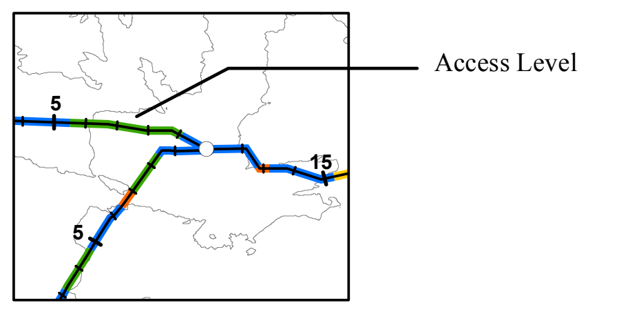
CONSTRUCTION ACCESS LEVELS

- 🟩 1 - Use existing roads
- 🟩 2 - Improve existing roads
- 🟦 3 - Construct new access, flat to rolling terrain (0 to 8 percent slope)
- 🟨 4 - Construct new access, rolling terrain (8 to 15 percent slope)
- 🟧 5 - Construct new access, steep terrain (15 to 30 percent slope)
- 🟥 6 - Construct new access, very steep terrain (greater than 30 percent slope)

Inventory Key



Access Level Key



Project Features

⌐ ¬	Project Area Boundary	●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚	Series Compensation Station Siting Area	●	345kV Proposed Reroute (Segment 4c - Inset B)
┼	Alternative Route		

General Reference

•	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
🟧	500kV Transmission Line	▨	Lake or Reservoir
🟥	345kV Transmission Line	—	River or Stream
🟦	230kV Transmission Line	▭	State Boundary
🟩	138kV Transmission Line	▭	County Boundary
┼	Railroad	⬚	Jurisdictional Boundary
●	Pipeline		

Sources:

Construction Access Levels, EPG 2014;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Notes:

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

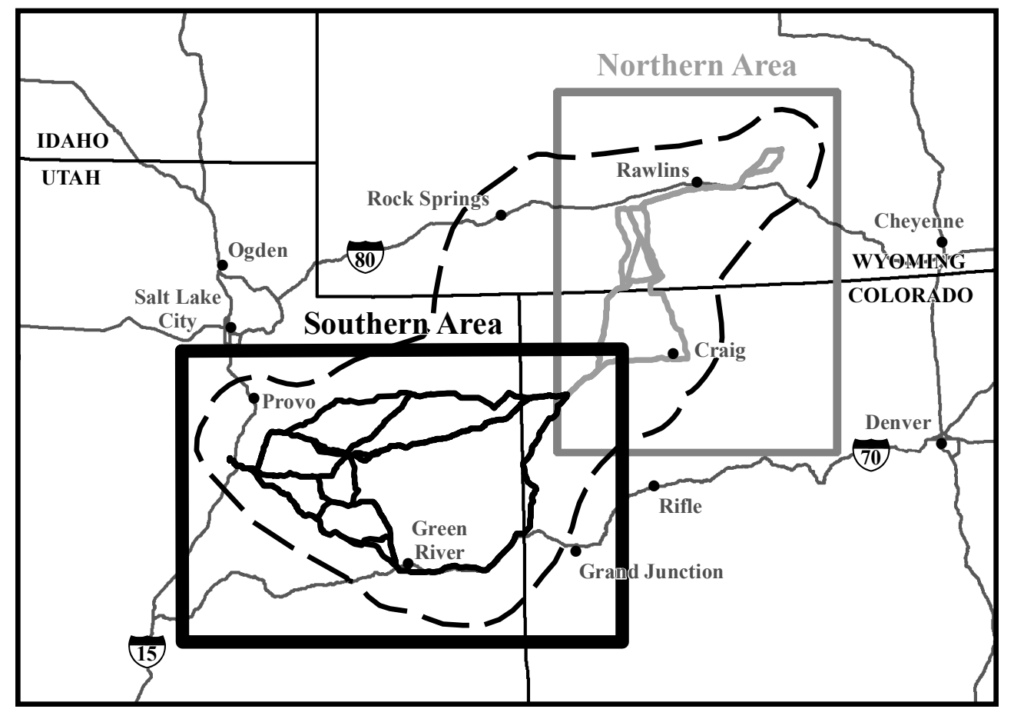
Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

MV-1b

Construction Access Levels

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

CONSTRUCTION ACCESS LEVELS

- 🟩 1 - Use existing roads
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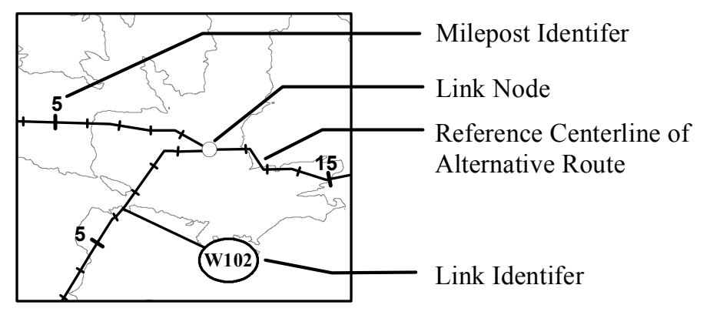
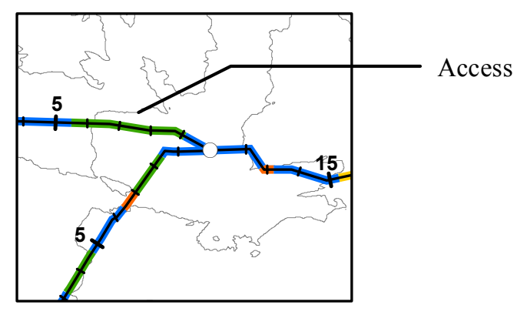
Inventory Key



Access Level Key



Project Features

Project Area Boundary	345kV Proposed Relocation (Inset A)
Substation (Project Terminal)	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Series Compensation Station Siting Area	345kV Proposed Reroute (Segment 4c - Inset B)
Alternative Route	

General Reference

City or Town	Interstate Highway
Substation	U.S. Highway
Power Plant	State Highway
500kV Transmission Line	Lake or Reservoir
345kV Transmission Line	River or Stream
230kV Transmission Line	State Boundary
138kV Transmission Line	County Boundary
Railroad	Jurisdictional Boundary
Pipeline	

Sources:

Construction Access Levels, EPG 2014;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
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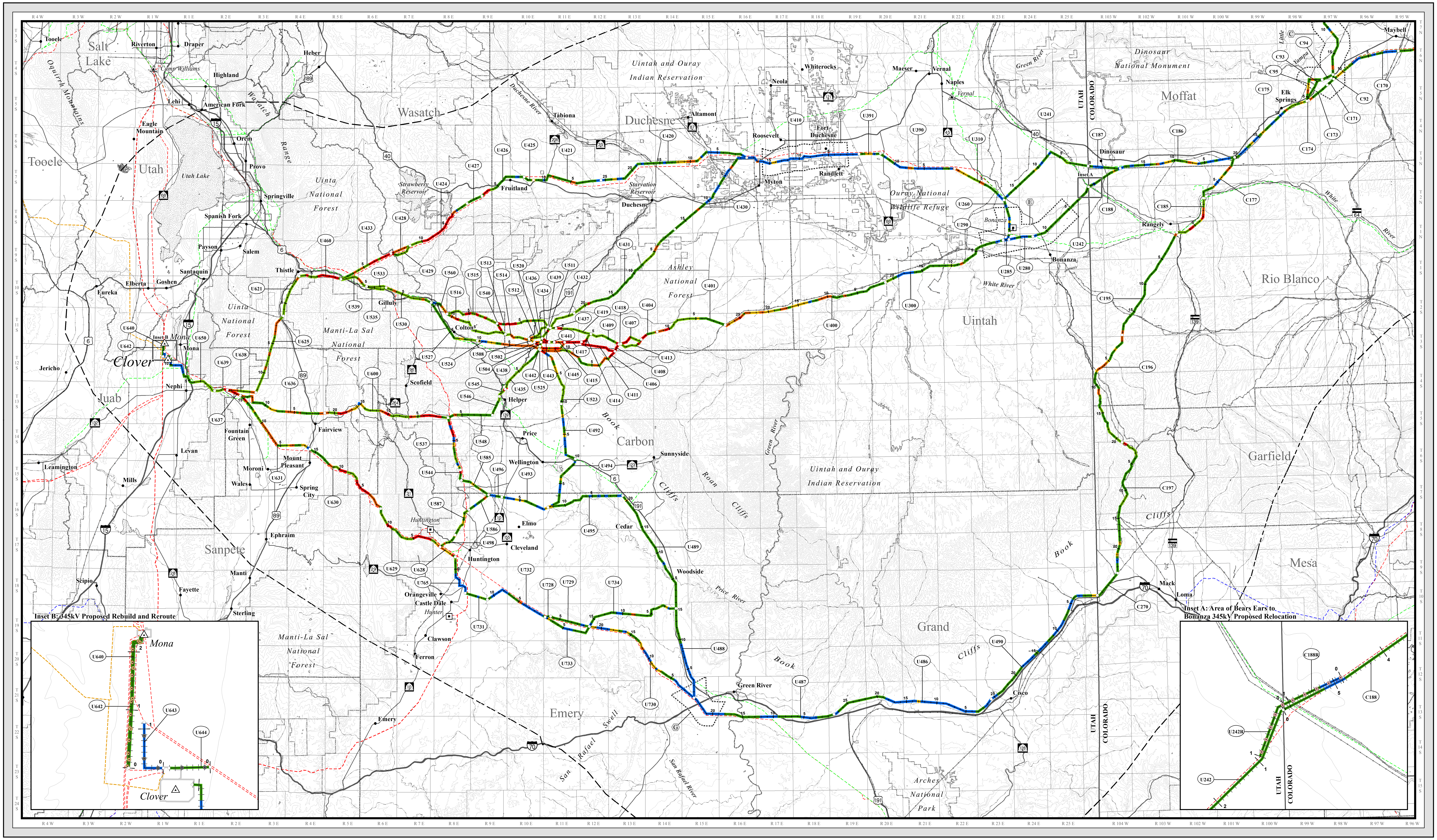
FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



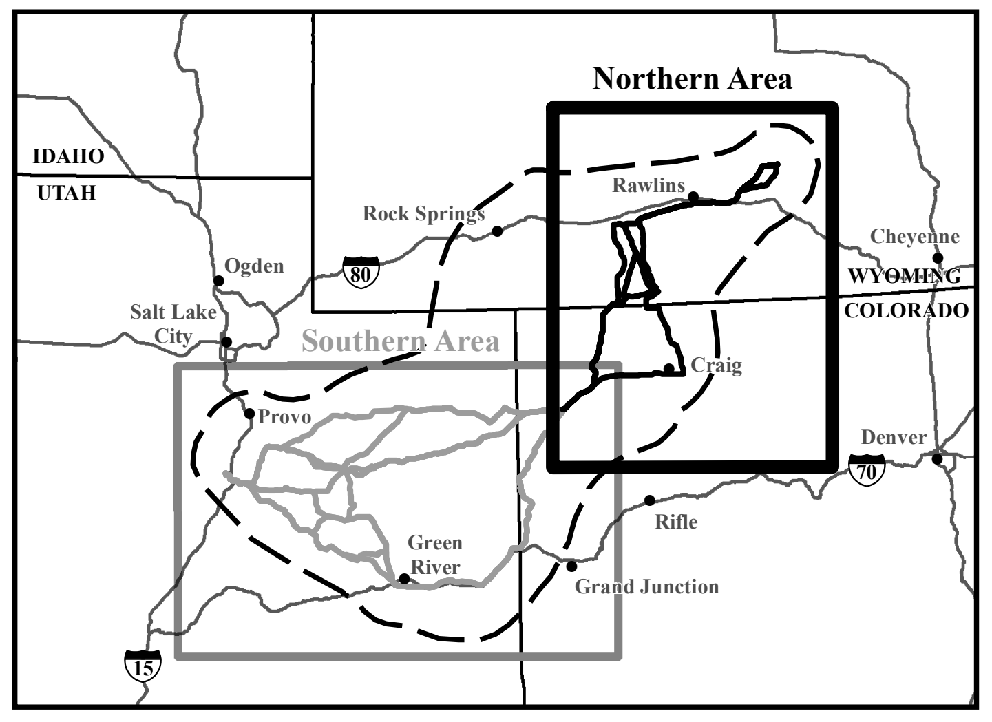
Earth Resources

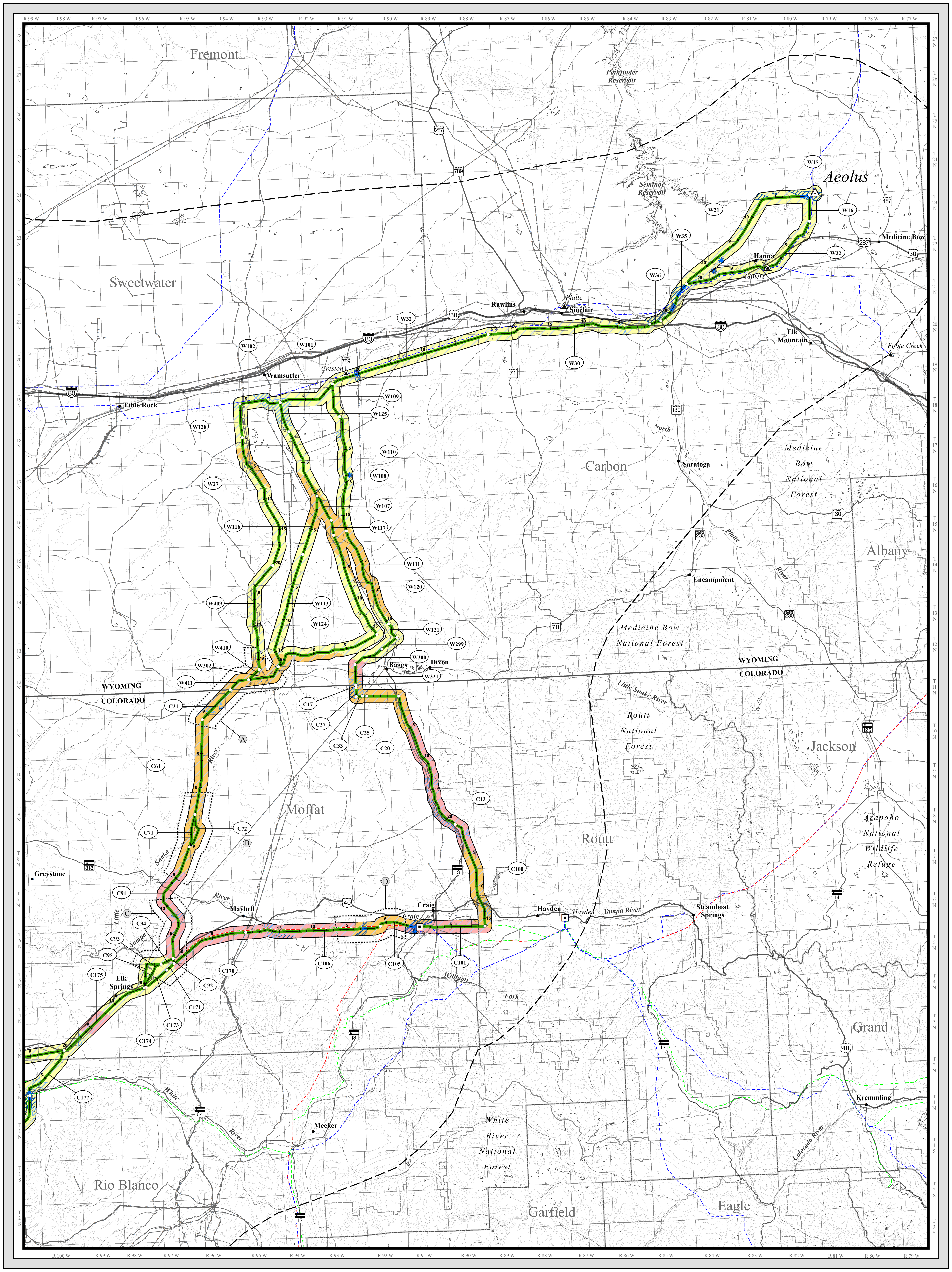
MV-2a

Geologic Hazards

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index





Resource Inventory

EARTHQUAKE[1]

- Quaternary Fault
- ✱ Earthquake Epicenter

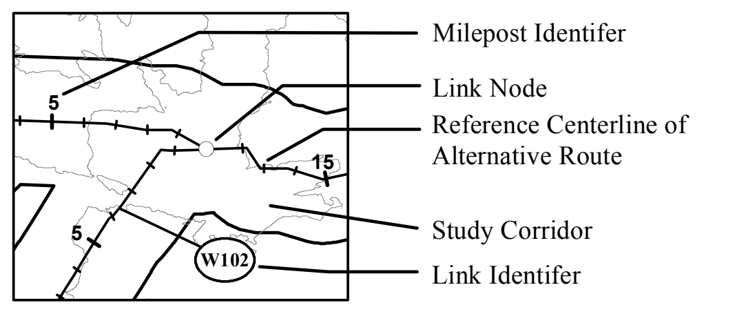
FLOOD[1]

- ▨ Low Hazard Area
- ▨ Moderate Hazard Area
- ▨ High Hazard Area

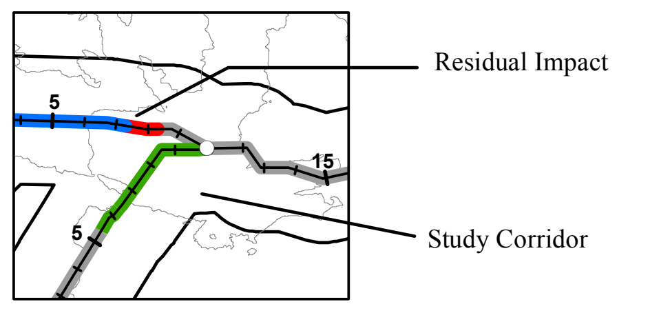
LANDSLIDE[1]

- ■ Low Hazard Area
- ■ Moderate Hazard Area
- ■ High Hazard Area

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

	Project Area Boundary		345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
	Series Compensation Station Siting Area		345kV Proposed Reroute (Segment 4c - Inset B)
	Alternative Route		

General Reference

●	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
	500kV Transmission Line		Lake or Reservoir
	345kV Transmission Line		River or Stream
	230kV Transmission Line		State Boundary
	138kV Transmission Line		County Boundary
	Railroad		Jurisdictional Boundary
	Pipeline		

Sources:

Quaternary Faults, USGS 2012a; Earthquake Epicenters, USGS 2012b;
Flood Hazard Areas, National Pipeline Mapping System 1996;
Landslide Hazard Areas, National Pipeline Mapping System 1995;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
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POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Geologic hazards are only shown within the 2-mile-wide earth resources study corridor.
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FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

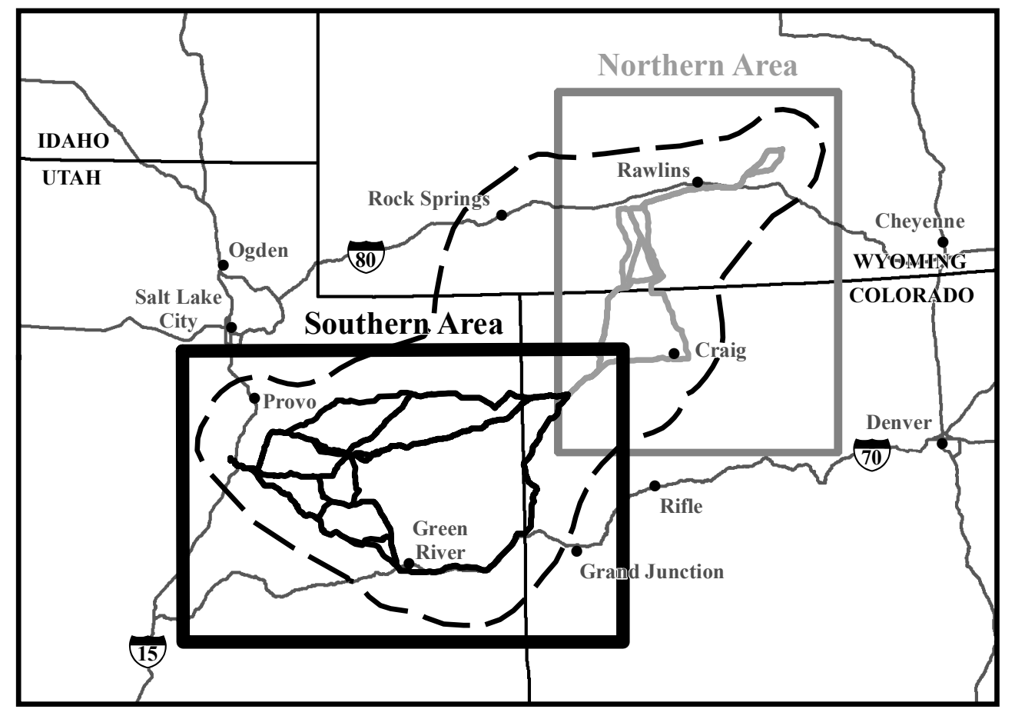
MV-2b

Geologic Hazards

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

EARTHQUAKE[1]

- ▬ Quaternary Fault
- ✱ Earthquake Epicenter

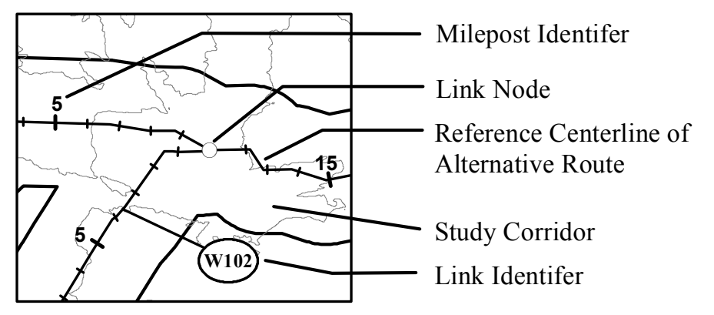
FLOOD[1]

- ▨ Low Hazard Area
- ▨ Moderate Hazard Area
- ▨ High Hazard Area

LANDSLIDE[1]

- 🟨 Low Hazard Area
- 🟧 Moderate Hazard Area
- 🟥 High Hazard Area

Inventory Key



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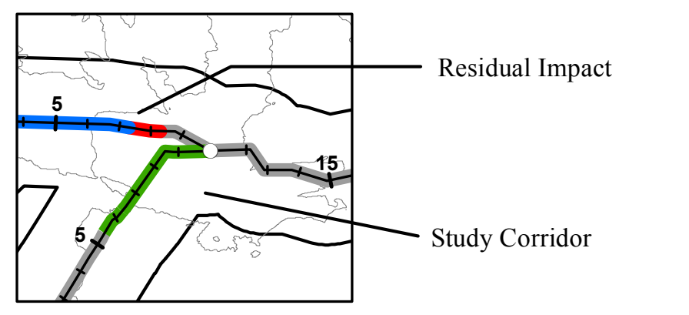

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	⬜	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
+++++	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
----	500kV Transmission Line	▒	Lake or Reservoir
----	345kV Transmission Line	—·—·	River or Stream
----	230kV Transmission Line	▭	State Boundary
----	138kV Transmission Line	▭	County Boundary
+++	Railroad	▭	Jurisdictional Boundary
•—•	Pipeline		

Sources:
Quaternary Faults, USGS 2012a; Earthquake Epicenters, USGS 2012b;
Flood Hazard Areas, National Pipeline Mapping System 1996;
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Notes:

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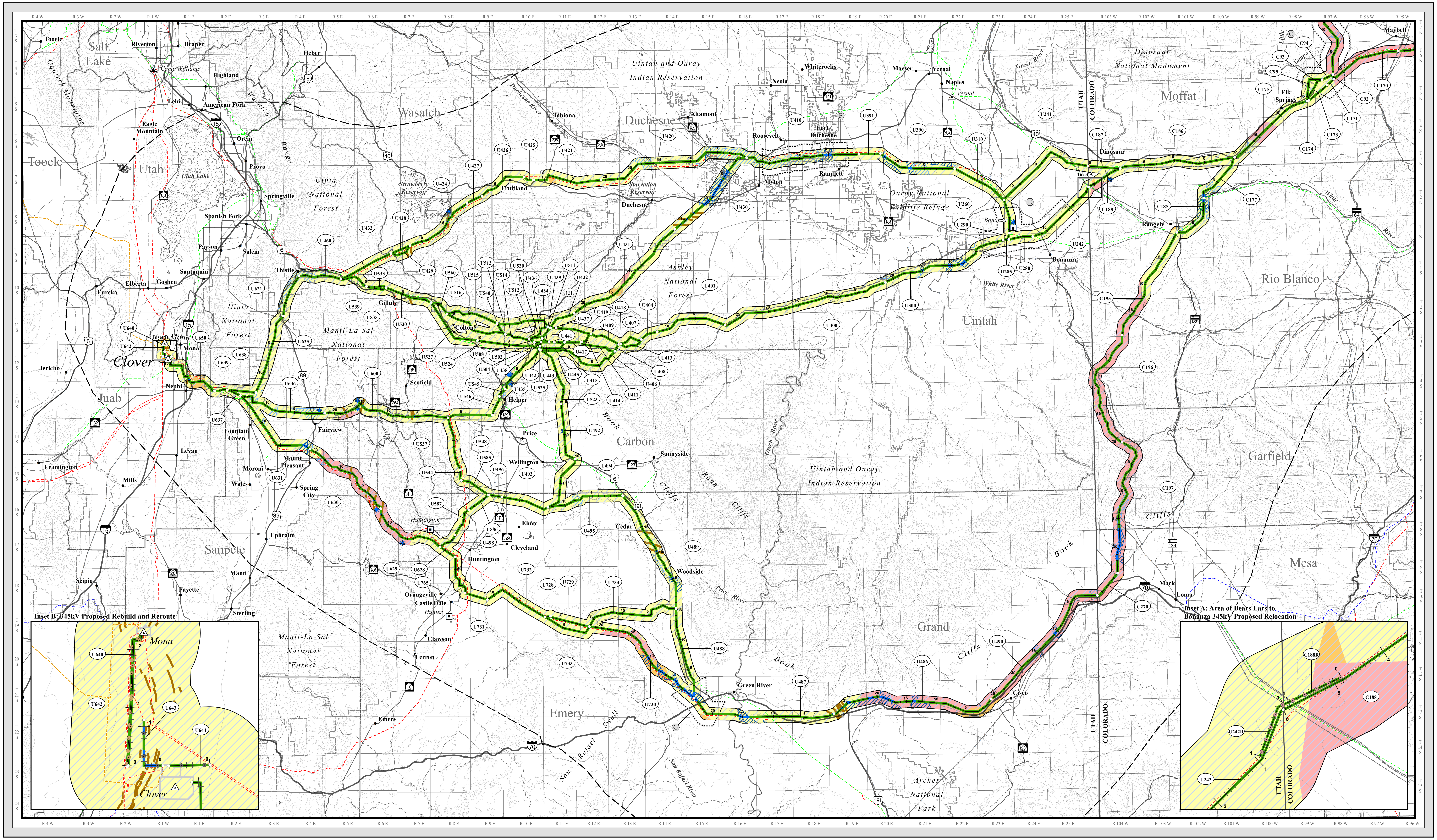
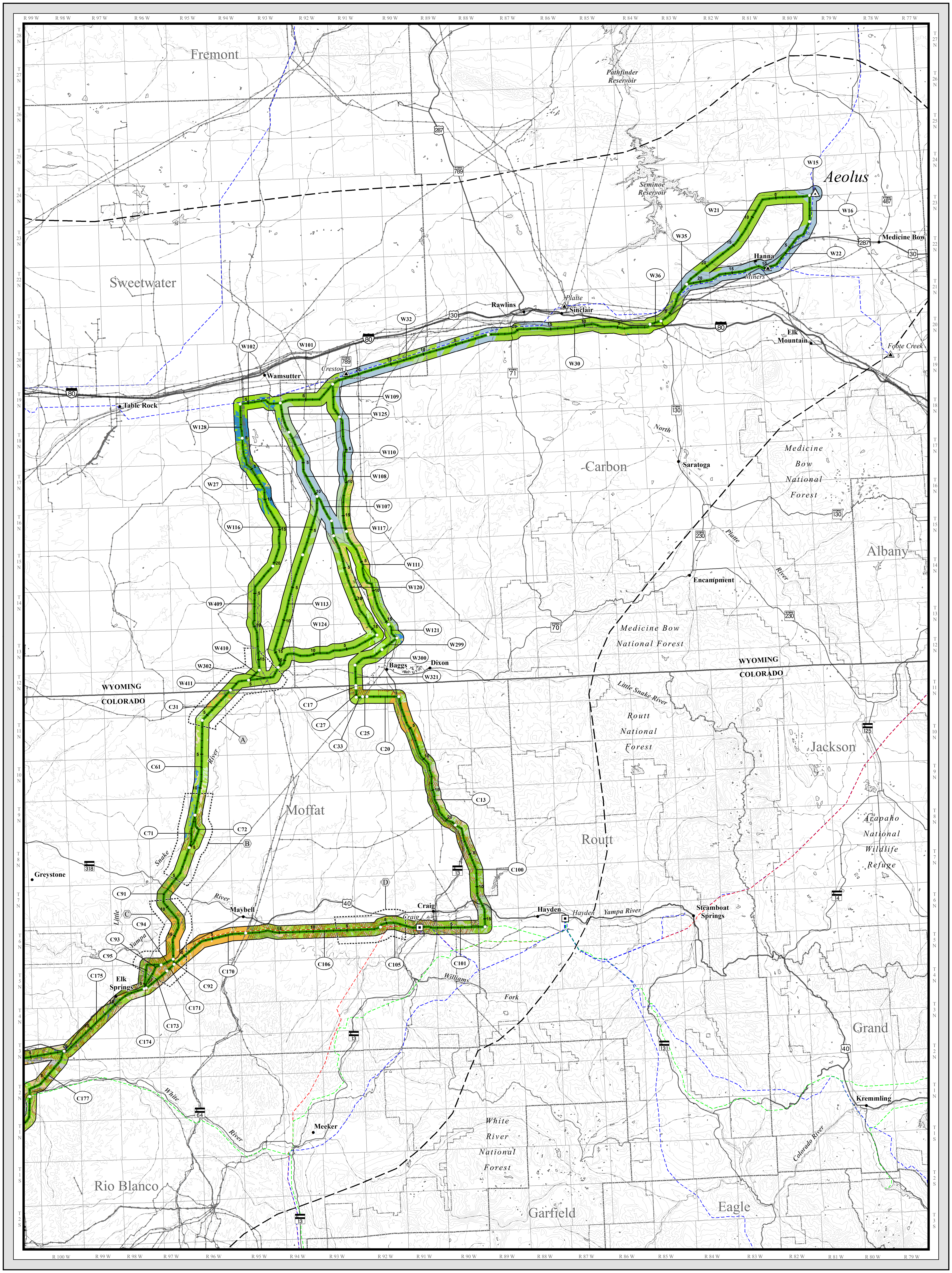


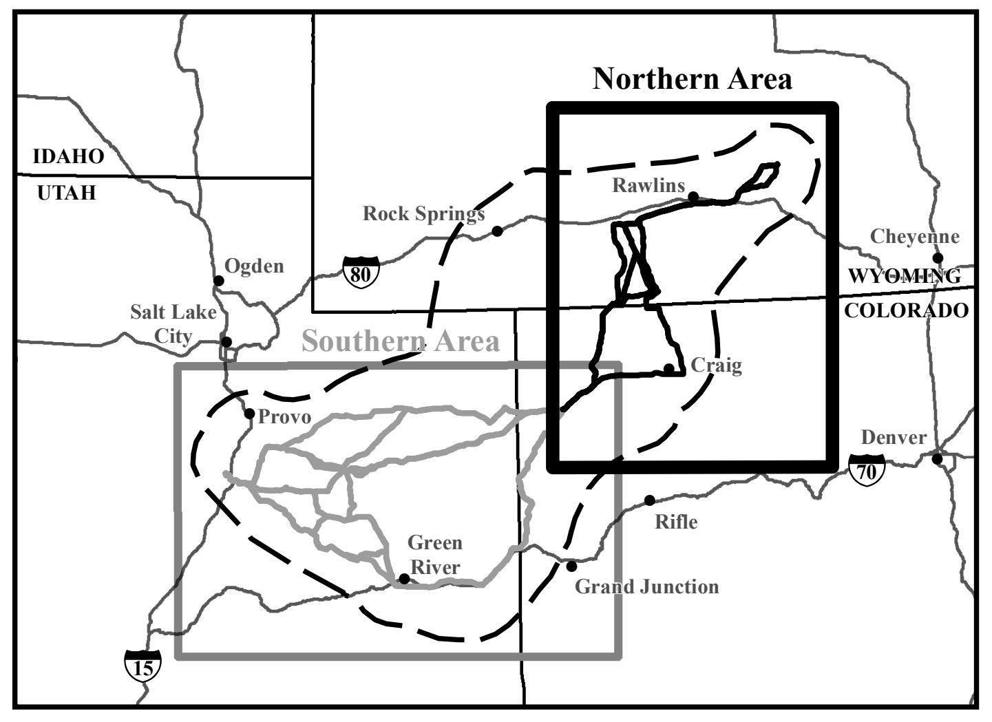


MV-3a

Soil Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

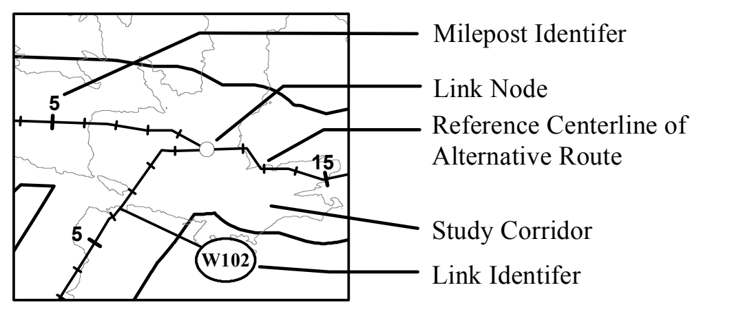
PRIME FARMLAND[1]

▨	Prime Farmland

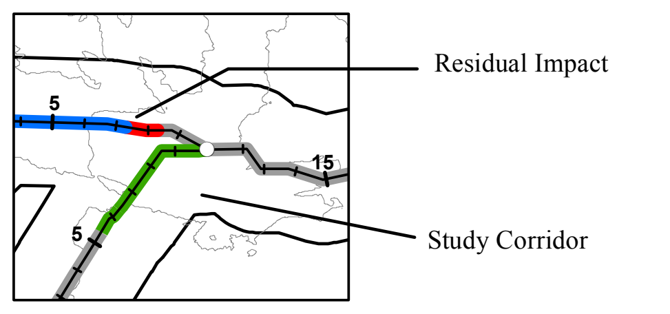
SOIL EROSION SUSCEPTIBILITY[1]

■	Low Water/NA[2] Wind Erosion Susceptibility	■	Low Water/High Wind Erosion Susceptibility
■	Moderate Water/NA[2] Wind Erosion Susceptibility	■	Moderate Water/Low Wind Erosion Susceptibility
■	High Water/NA[2] Wind Erosion Susceptibility	■	Moderate Water/Moderate Wind Erosion Susceptibility
■	NA[2] Water/Low Wind Erosion Susceptibility	■	Moderate Water/High Wind Erosion Susceptibility
■	NA[2] Water/Moderate Wind Erosion Susceptibility	■	High Water/Low Wind Erosion Susceptibility
■	NA[2] Water/High Wind Erosion Susceptibility	■	High Water/Moderate Wind Erosion Susceptibility
■	Low Water/Low Wind Erosion Susceptibility	■	High Water/High Wind Erosion Susceptibility
■	Low Water/Moderate Wind Erosion Susceptibility	▨	NA[2] Water/NA[2] Wind Erosion Susceptibility

Inventory Key



Impact Key



Impact Levels

▬	High	▬	Low
▬	Moderate	▬	No Identifiable

Project Features

⌈_⌉	Project Area Boundary	○—○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

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▣	Power Plant	24	State Highway
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----	345kV Transmission Line	—·—·	River or Stream
----	230kV Transmission Line	▭	State Boundary
----	138kV Transmission Line	⬚	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

SSURGO Prime Farmland as compiled by EPG, NRCS 2011;
SSURGO Soil Erosion Susceptibility as compiled by EPG, NRCS 2011;
STATSGO Soil Erosion Susceptibility, NRCS 2006;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
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POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Prime farmland and soil erosion susceptibility classifications are only shown within the 2-mile-wide earth resources study corridor.

[2] NA = Data not available

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FINAL EIS
September 2015

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Miles
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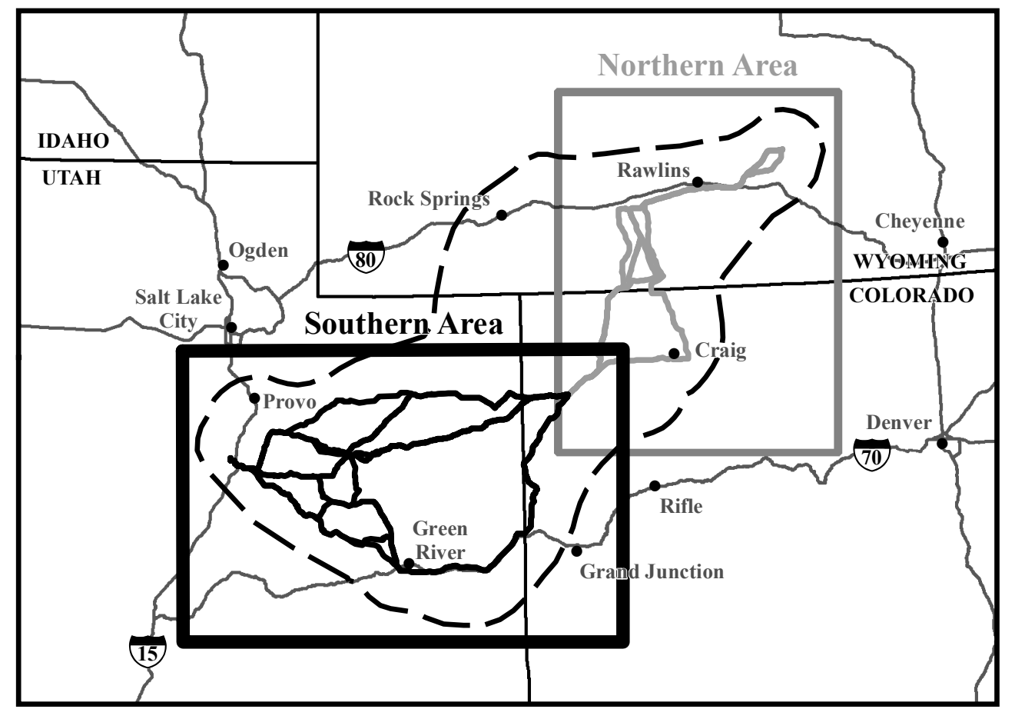
MV-3b

Soil Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

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▨	Prime Farmland

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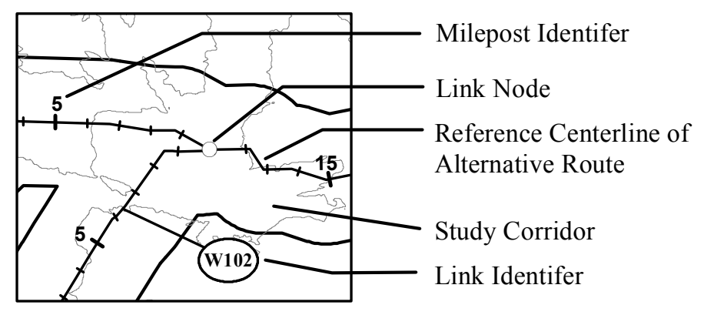
■	NA[2] Water/Moderate Wind Erosion Susceptibility	■	High Water/Low Wind Erosion Susceptibility
■	NA[2] Water/High Wind Erosion Susceptibility	■	High Water/Moderate Wind Erosion Susceptibility
■	Low Water/Low Wind Erosion Susceptibility	■	High Water/High Wind Erosion Susceptibility
■	Low Water/Moderate Wind Erosion Susceptibility	▨	NA[2] Water/NA[2] Wind Erosion Susceptibility

Inventory Key



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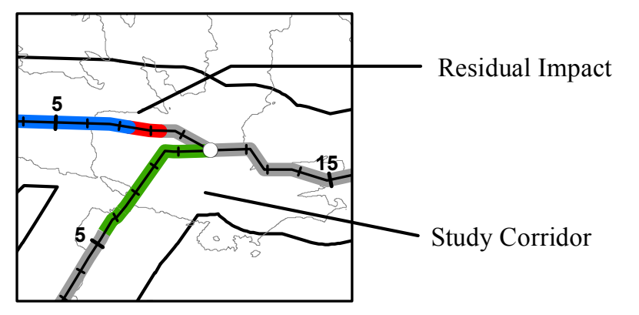


Impact Levels

▬	High	▬	Low
▬	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
┼┼┼	Railroad	☐	Jurisdictional Boundary
●—●	Pipeline		

Sources:

SSURGO Prime Farmland as compiled by EPG, NRCS 2011;
SSURGO Soil Erosion Susceptibility as compiled by EPG, NRCS 2011;
STATSGO Soil Erosion Susceptibility, NRCS 2006;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

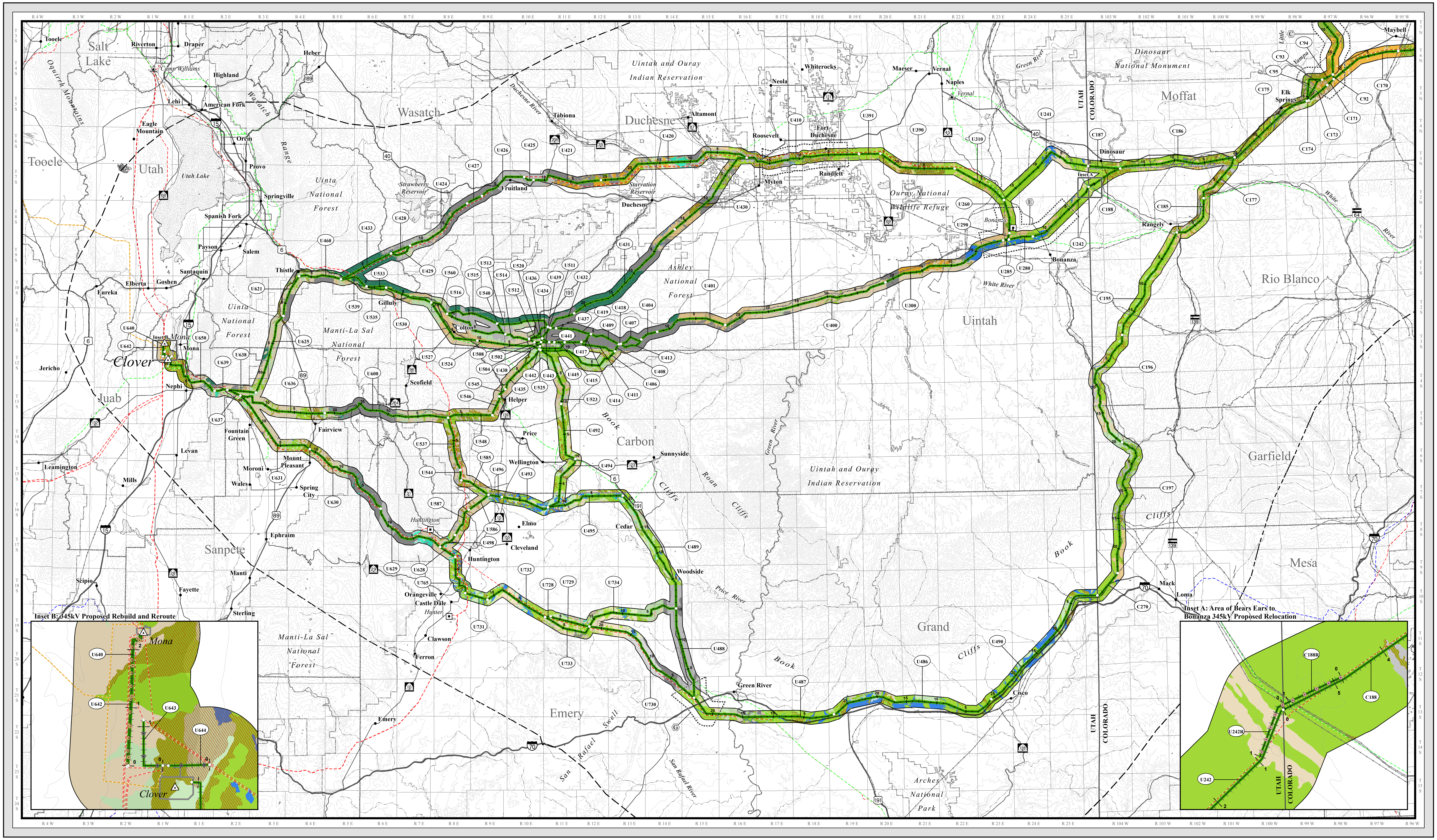
[1] Prime farmland and soil erosion susceptibility classifications are only shown within the 2-mile-wide earth resources study corridor.

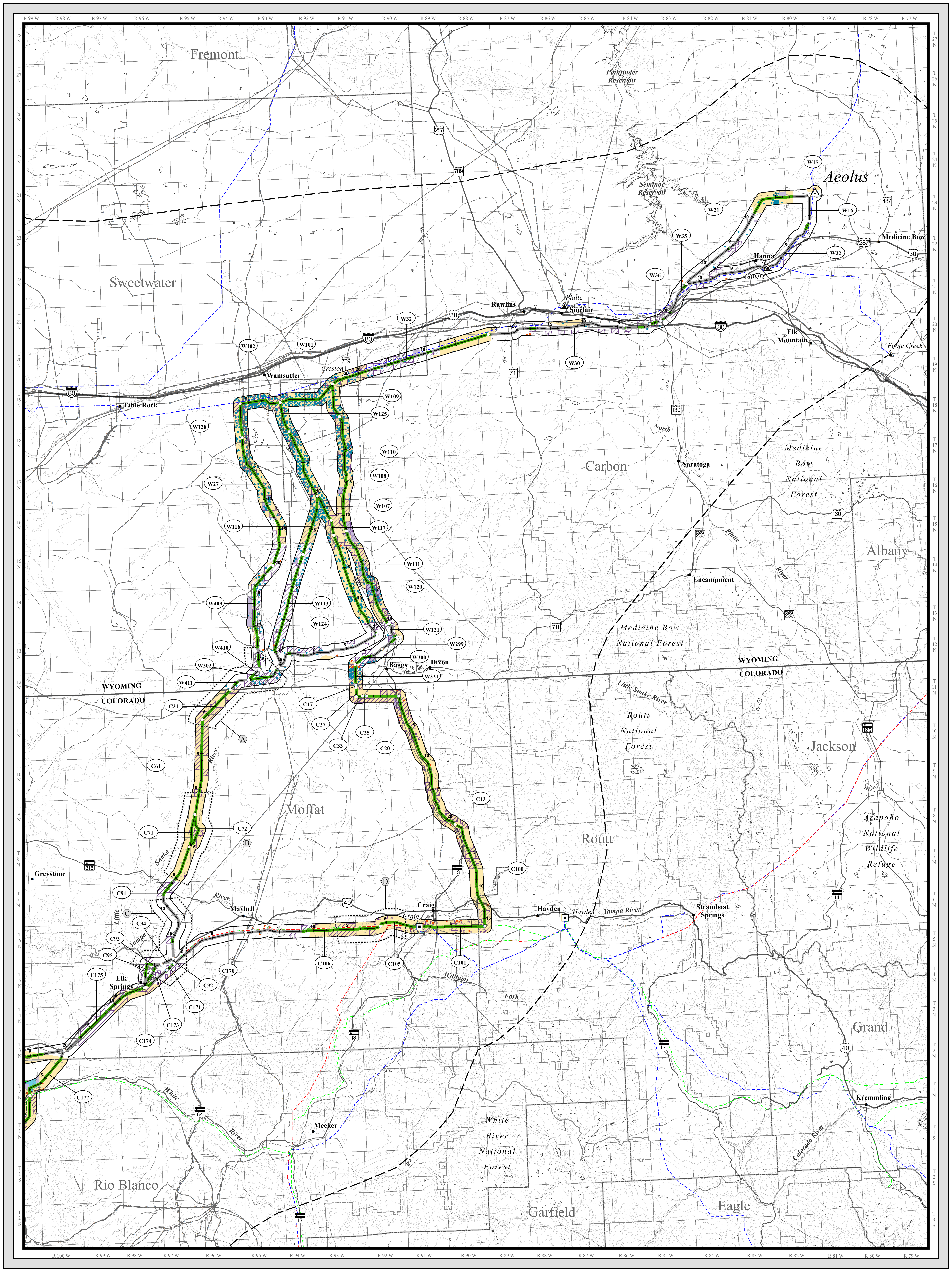
[2] NA = Data not available

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



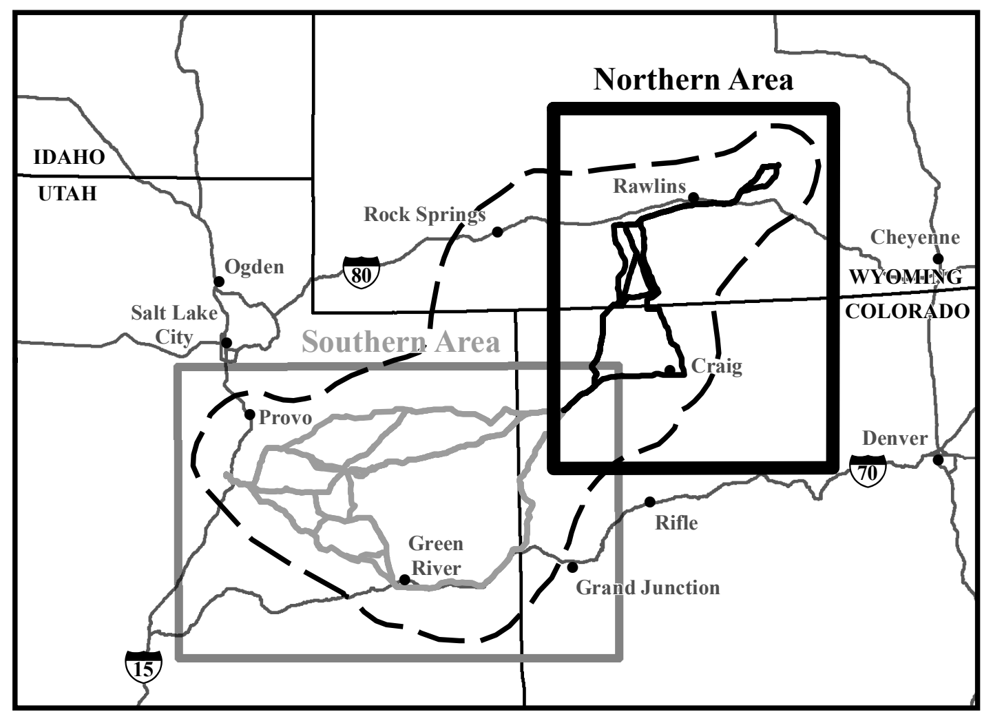


MV-4a

Mineral Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

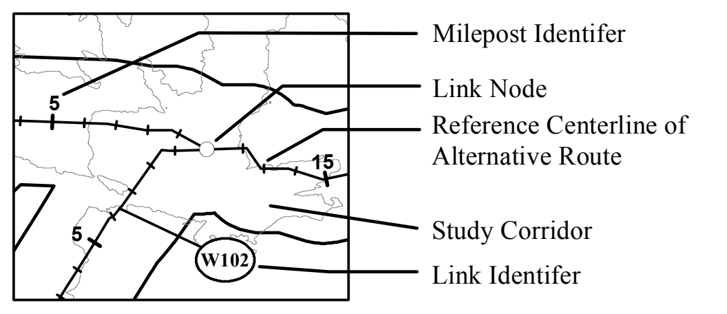


Resource Inventory

MINERAL RESOURCES[1]

●	Geothermal Lease	🟩	Active Mining Claim
●	Permitted Mine	■	Coal/Other Lease
●	Active Mine/Producing Well	▨	Oil and Gas Lease
●	Potential Mineral Resource		

Inventory Key



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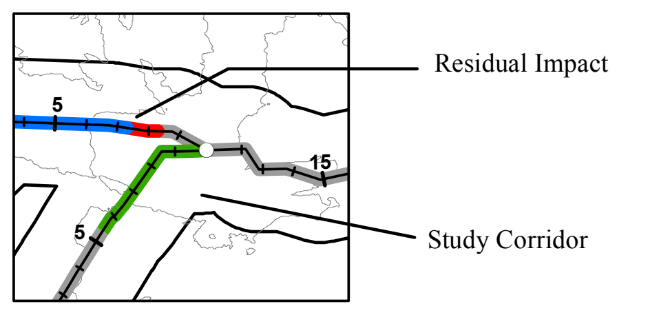


Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

⌜ ⌟	Project Area Boundary	○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	○	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ Ⓐ	Series Compensation Station Siting Area	○	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

●	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
- - -	500kV Transmission Line		Lake or Reservoir
- - -	345kV Transmission Line		River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
●─●	Pipeline		

Sources:

Utah Geothermal Locations, UGS 1999; Utah Permitted Mines as digitized by EPG, UGS 1999; Wyoming Permitted Mines, USGS 2005; Colorado Permitted Mines, Colorado DRMS 2008; Utah Oil and Gas Wells, Utah DNR 2011; Garfield County Oil and Gas Wells, COGCC 2011, Garfield County, CO 2011; Wyoming Oil and Gas Wells, Wyoming Oil and Gas Commission 2011, USGS 2011; Deserado Coal Mine, BLM 2009e; Utah Coal Mines, UDNR 2013, UGS 2011; Wyoming Coal Mines, Wyoming DEQ 2011; Oil and Gas Projects, BLM 2011; Garfield County Oil and Gas Fields, COGCC 1999; Colorado Oil and Gas Potential, BLM 2012ab; Utah Oil and Gas Potential, AGRC 2001, BLM 2012ah, 2012aj, Utah DNR 2009, UTDOGM 2001; Wyoming Oil and Gas Potential, WLCI 2010; Oil and Gas Potential as compiled by EPG, BLM 1998b, 2005f, 2007e, 2011s, 2012am, URMCC 2013b, USFS 2012; Wyoming Oilfields, USGS 2011; Wyoming Bentonite, USBM 1990; Wyoming Minerals, USGS 2005; Wyoming Coal Potential, WLCI 2010; Wyoming Oil Shale, WLCI 2011; Wyoming Metals, USGS 2011; Wyoming Zeolite, WLCI 2011; Utah Phosphate Deposits, AGRC 2001; Utah Potash Deposits, AGRC 2001; Utah Geothermal Zones, AGRC 2011; Utah Uranium, UGS 2005; Utah Oil Shale Deposits, AGRC 2001; Utah Minerals, AGRC 1999, 2001, UTDOGM 2001; Utah Tar Sands, UGS 1999; Utah Coal Seams, AGRC 2010; Utah Coal-bearing Rocks, UGS 2006; Colorado Coal Potential, BLM 1998; Piceance Basin, Garfield County, CO 2011; Active Mine Claims (LR2000), BLM/Premier Data Services/Xedar Corporation 2012; Coal/Other Leases (LR2000), BLM/Premier Data Services/Xedar Corporation 2012; Coal Leases as compiled by EPG, BLM 2012ac, 2012ah, TetraTech 2012, USFS 2013d; Coal Leases, Wyoming Office of State Lands and Investments 2013b; Colorado Oil and Gas Leases, BLM 2012, Colorado State Land Board 2012; Utah Oil and Gas Leases, BLM 2013, SITLA 2013; Wyoming Oil and Gas Leases, BLM 2011, Wyoming Office of State Lands and Investments 2013c; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Mineral resources are only shown within the 2-mile-wide earth resources study corridor.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

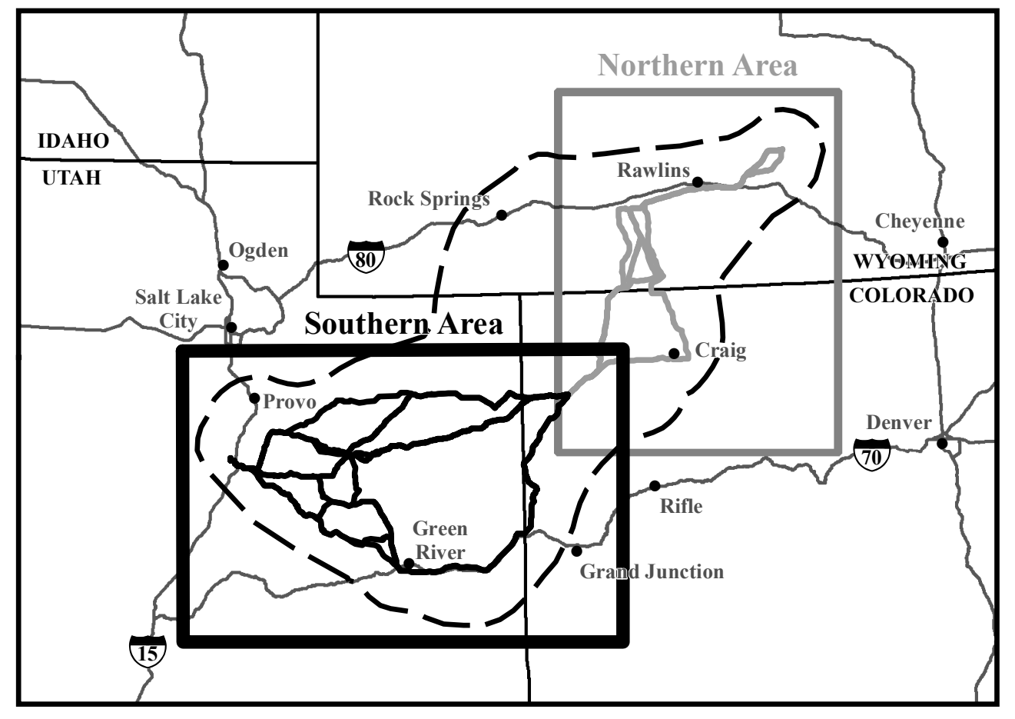
MV-4b

Mineral Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index

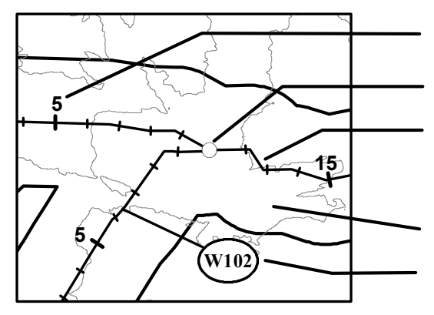


Resource Inventory

MINERAL RESOURCES[1]

● Geothermal Lease	🟩 Active Mining Claim
● Permitted Mine	▨ Coal/Other Lease
● ▨ Active Mine/Producing Well	▨ Oil and Gas Lease
● ▨ Potential Mineral Resource	

Inventory Key



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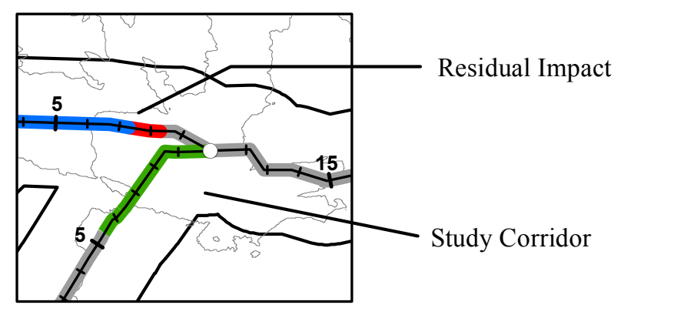


Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼┼	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·—·	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Utah Geothermal Locations, UGS 1999; Utah Permitted Mines as digitized by EPG, UGS 1999; Wyoming Permitted Mines, USGS 2005; Colorado Permitted Mines, Colorado DRMS 2008; Utah Oil and Gas Wells, Utah DNR 2011; Garfield County Oil and Gas Wells, COGCC 2011, Garfield County, CO 2011; Wyoming Oil and Gas Wells, Wyoming Oil and Gas Commission 2011, USGS 2011; Deserado Coal Mine, BLM 2009e; Utah Coal Mines, UDNR 2013, UGS 2011; Wyoming Coal Mines, Wyoming DEQ 2011; Oil and Gas Projects, BLM 2011; Garfield County Oil and Gas Fields, COGCC 1999; Colorado Oil and Gas Potential, BLM 2012ab; Utah Oil and Gas Potential, AGRC 2001, BLM 2012ah, 2012aj, Utah DNR 2009, UTDOGM 2001; Wyoming Oil and Gas Potential, WLCI 2010; Oil and Gas Potential as compiled by EPG, BLM 1998b, 2005f, 2007e, 2011s, 2012am, URMCC 2013b, USFS 2012; Wyoming Oilfields, USGS 2011; Wyoming Bentonite, USBM 1990; Wyoming Minerals, USGS 2005; Wyoming Coal Potential, WLCI 2010; Wyoming Oil Shale, WLCI 2011; Wyoming Metals, USGS 2011; Wyoming Zeolite, WLCI 2011; Utah Phosphate Deposits, AGRC 2001; Utah Potash Deposits, AGRC 2001; Utah Geothermal Zones, AGRC 2011; Utah Uranium, UGS 2005; Utah Oil Shale Deposits, AGRC 2001; Utah Minerals, AGRC 1999, 2001, UTDOGM 2001; Utah Tar Sands, UGS 1999; Utah Coal Seams, AGRC 2010; Utah Coal-bearing Rocks, UGS 2006; Colorado Coal Potential, BLM 1998; Piceance Basin, Garfield County, CO 2011; Active Mine Claims (LR2000), BLM/Premier Data Services/Xedar Corporation 2012; Coal/Other Leases (LR2000), BLM/Premier Data Services/Xedar Corporation 2012; Coal Leases as compiled by EPG, BLM 2012ac, 2012ah, TetraTech 2012, USFS 2013d; Coal Leases, Wyoming Office of State Lands and Investments 2013b; Colorado Oil and Gas Leases, BLM 2012, Colorado State Land Board 2012; Utah Oil and Gas Leases, BLM 2013, SITLA 2013; Wyoming Oil and Gas Leases, BLM 2011, Wyoming Office of State Lands and Investments 2013c; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Mineral resources are only shown within the 2-mile-wide earth resources study corridor.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

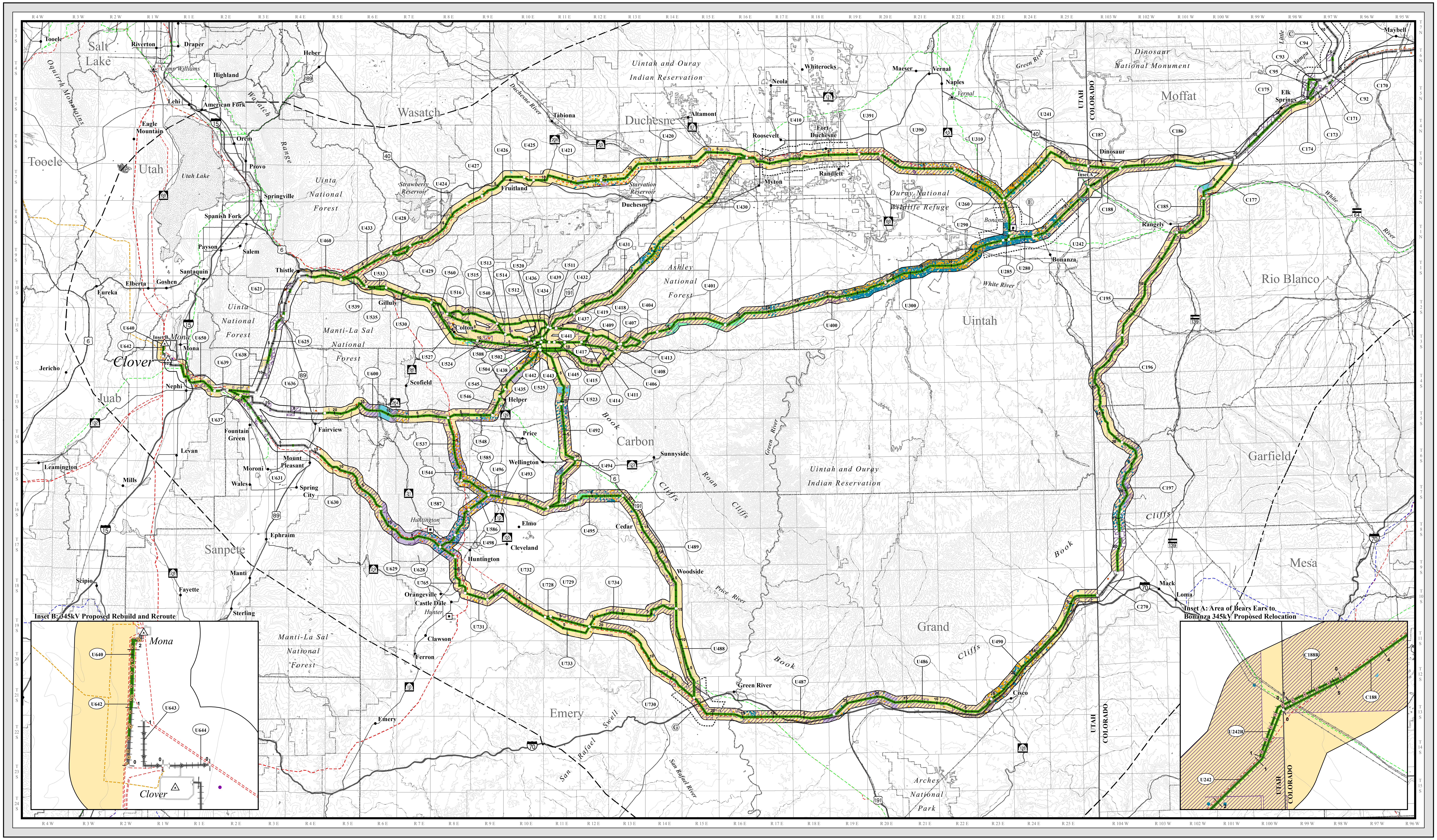
FINAL EIS

September 2015

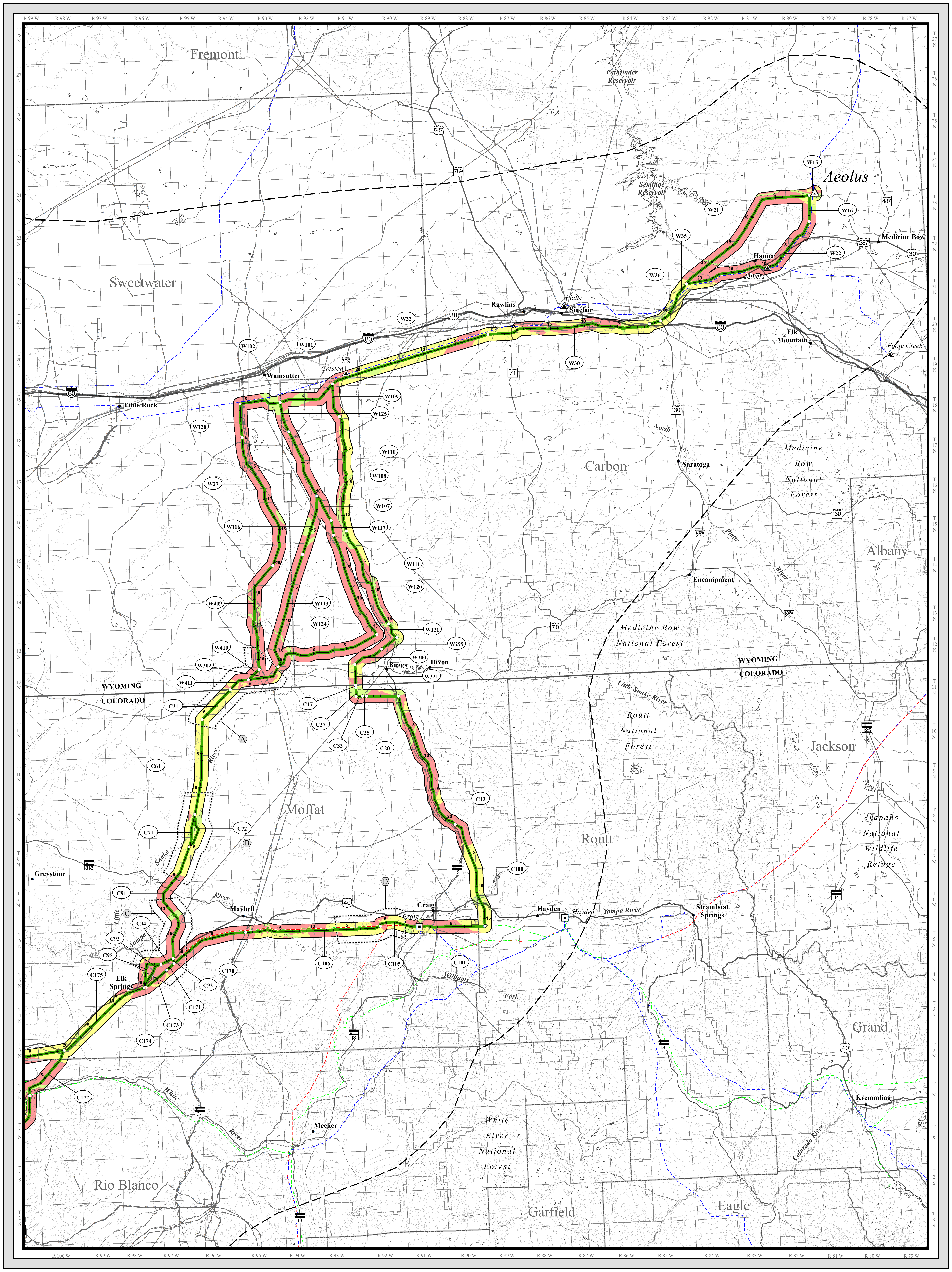
Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles



Paleontological Resources

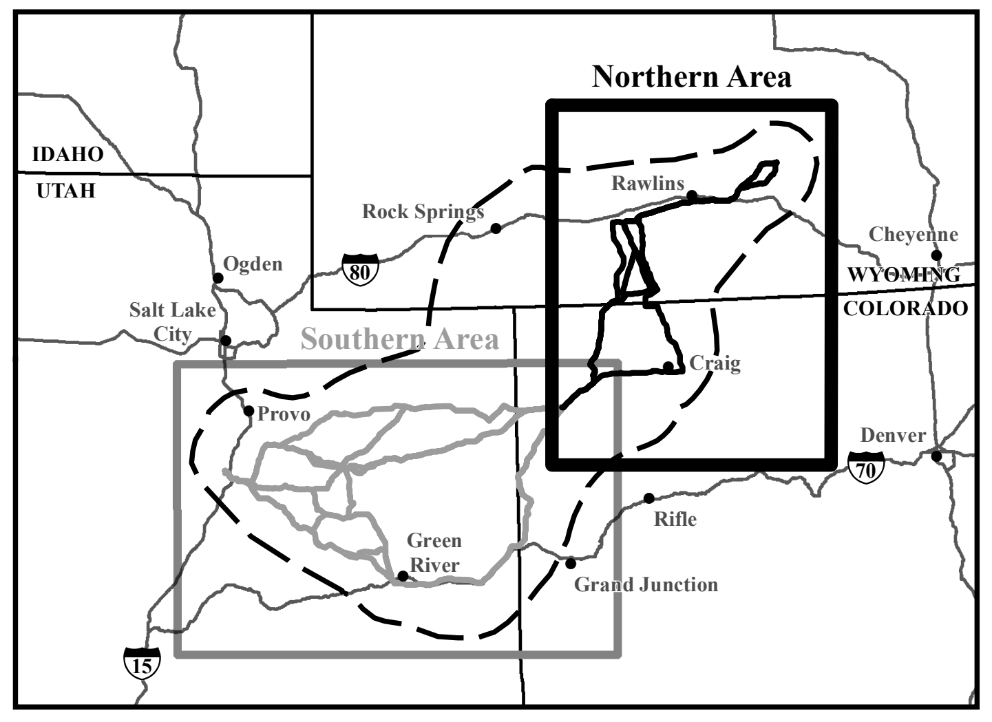


MV-5a

Paleontological Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

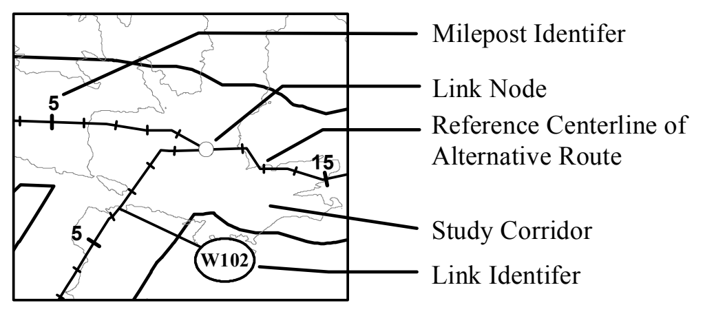
POTENTIAL FOSSIL YIELD CLASSIFICATIONS[1]

🟥	Very High
🟧	High
🟨	Moderate/Undetermined
🟩	Low
🟦	Very Low

LAND OWNERSHIP

▨	U.S. Forest Service

Inventory Key



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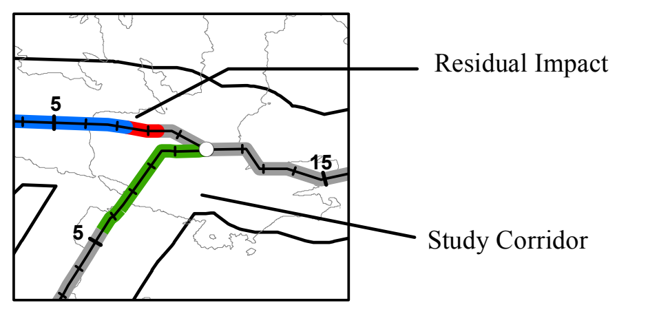

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	⬜	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
+++ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▒	Lake or Reservoir
- - -	345kV Transmission Line	— · · —	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	⬚	County Boundary
+++	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Potential Fossil Yield Classification, USGS 1994, 2005, UGS 2000;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Potential fossil yield classifications are only shown within the 2-mile-wide paleontological resources study corridor.
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- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

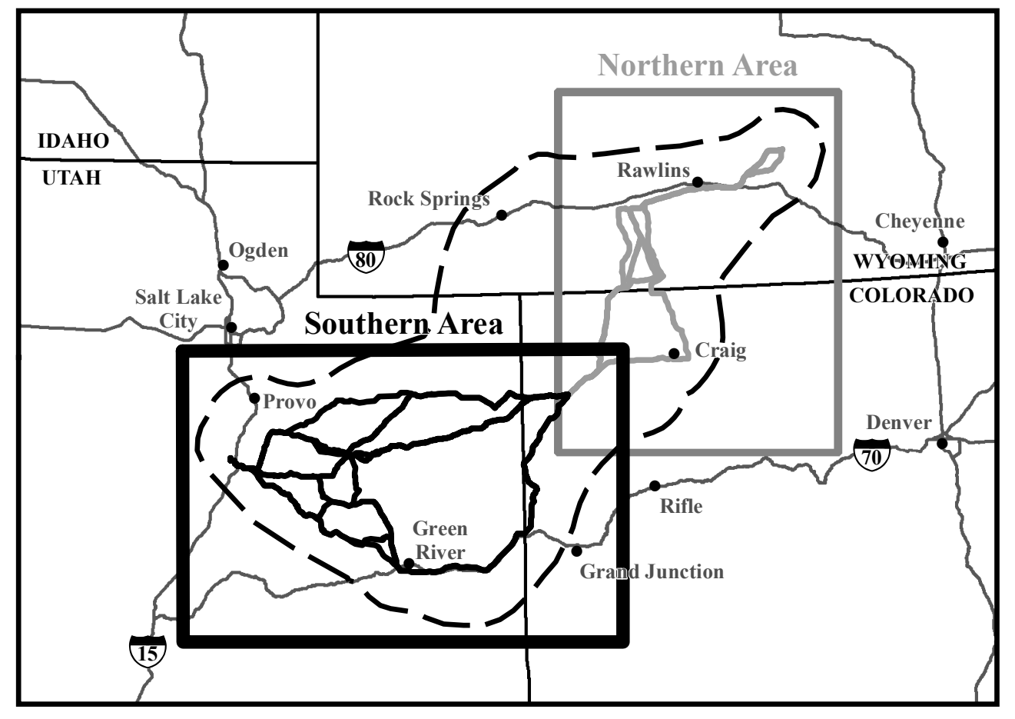
MV-5b

Paleontological Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

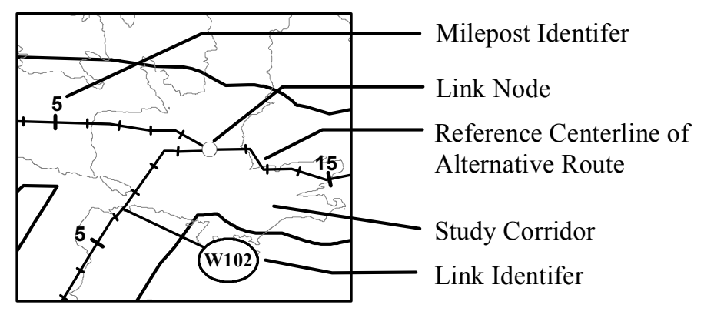
POTENTIAL FOSSIL YIELD CLASSIFICATIONS[1]

- 🟥 Very High
- 🟧 High
- 🟨 Moderate/Undetermined
- 🟩 Low
- 🟦 Very Low

LAND OWNERSHIP

- ▨ U.S. Forest Service

Inventory Key



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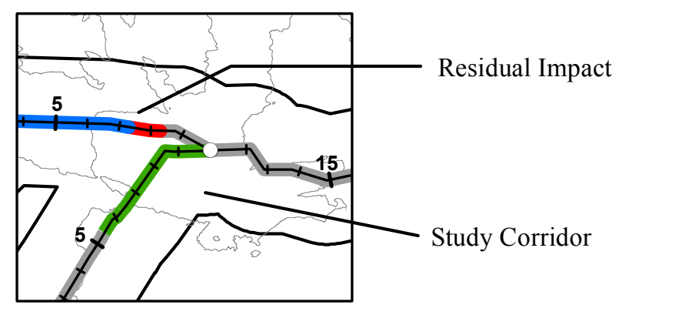

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

⌐ ¬	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚—Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
+++++	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - - -	500kV Transmission Line	▨	Lake or Reservoir
- - - -	345kV Transmission Line	—·· —	River or Stream
- - - -	230kV Transmission Line	▭	State Boundary
- - - -	138kV Transmission Line	▭	County Boundary
+-+-+	Railroad	⬚	Jurisdictional Boundary
●—●—●	Pipeline		

Sources:

Potential Fossil Yield Classification, USGS 1994, 2005, UGS 2007;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Potential fossil yield classifications are only shown within the 2-mile-wide paleontological resources study corridor.

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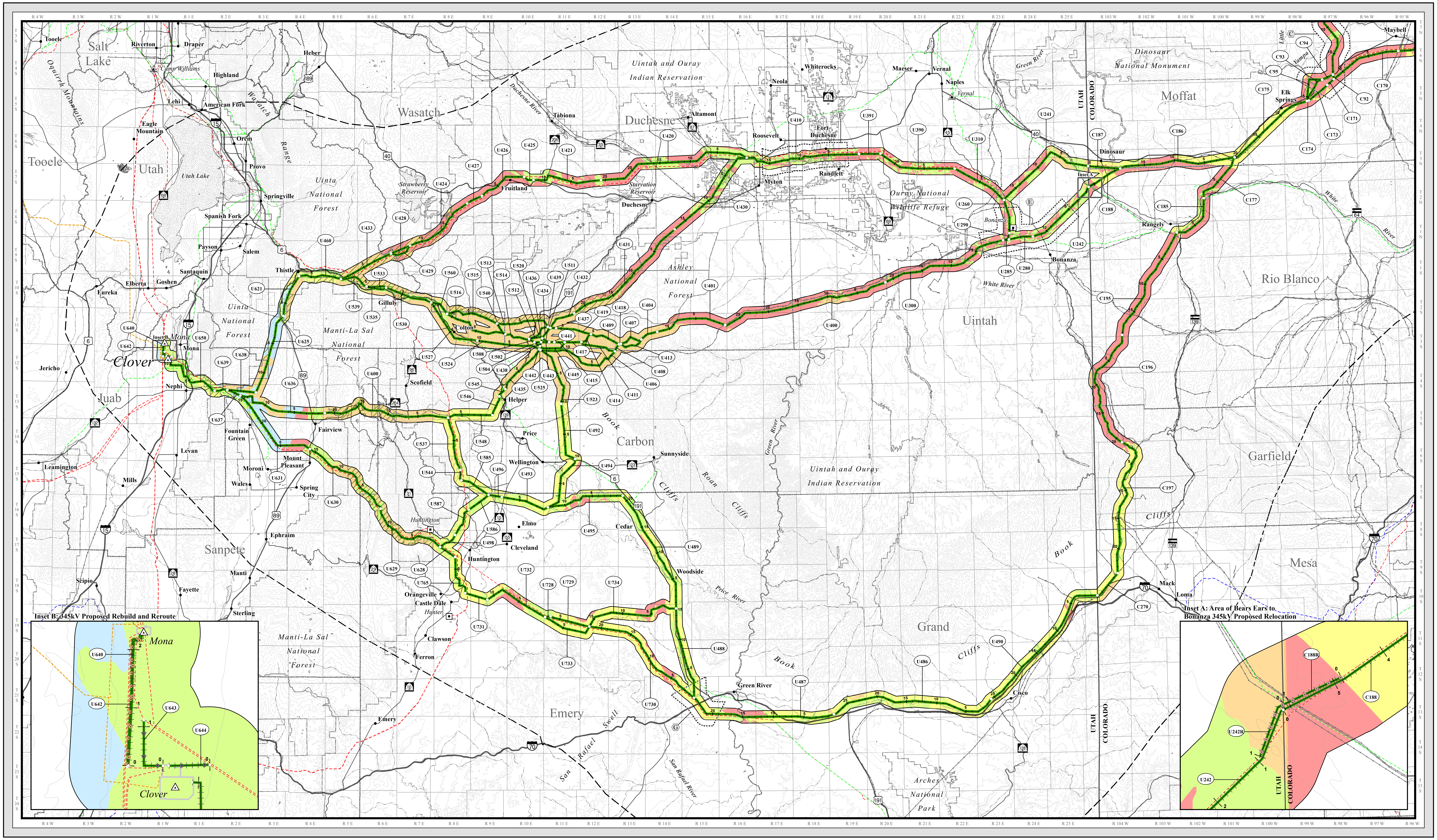
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

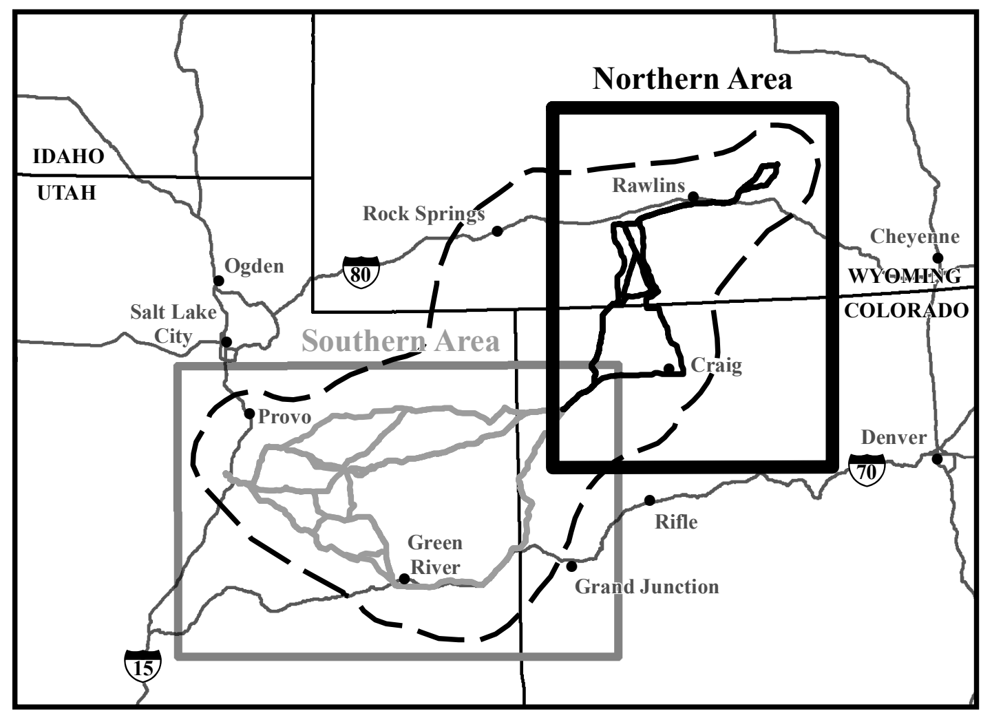


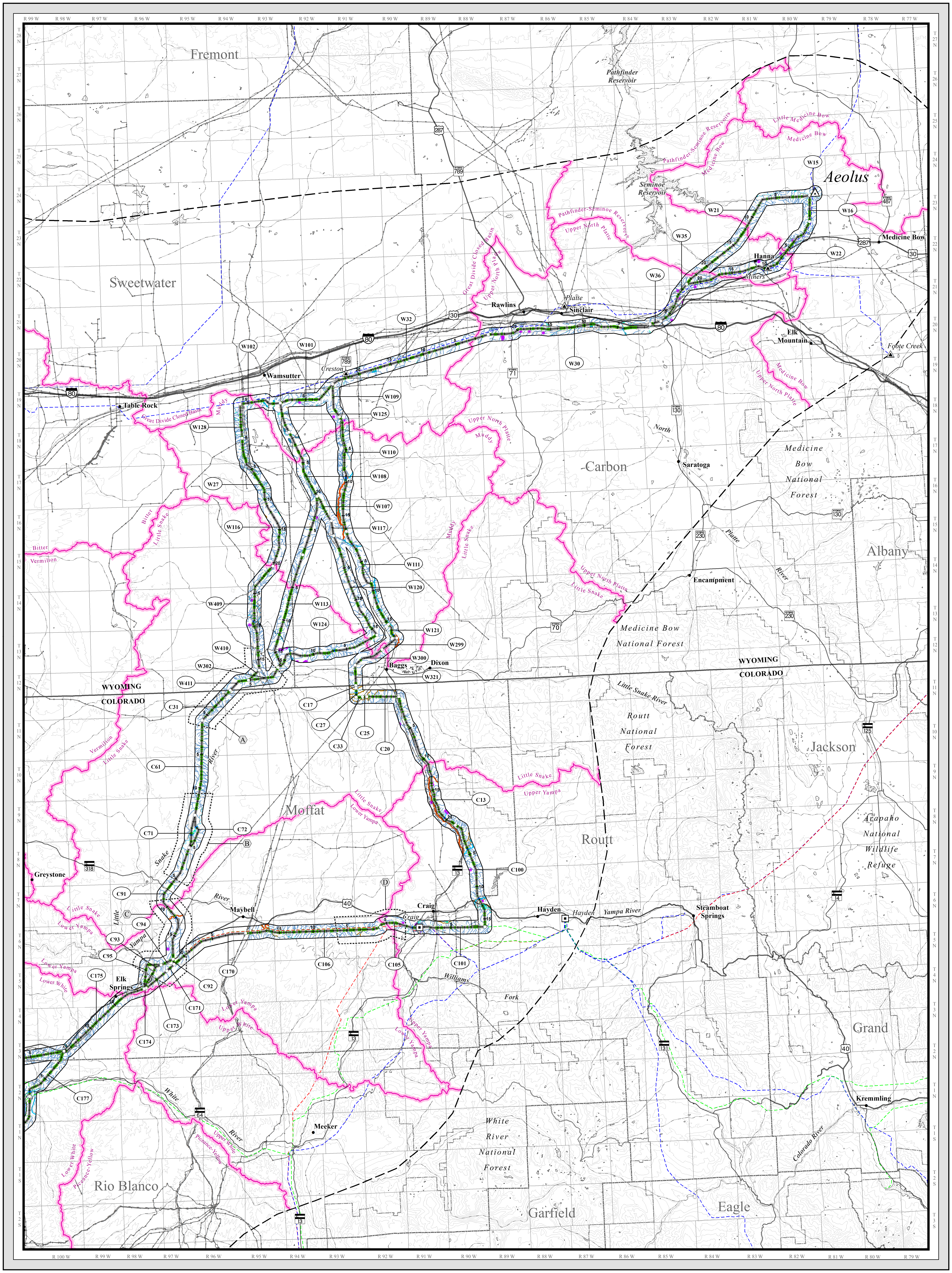
Water Resources

Water Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index





Resource Inventory

SPECIALLY DESIGNATED WATERS[1]

🟥	Impaired Water	🟪	Outstanding Water
🟩	Palustrine Forested Wetland		

WETLAND AND RIPARIAN AREAS[1]

🟩	Palustrine Scrub/Shrub Wetland	🟩	Riparian Area
🟩	Palustrine Emergent Wetland	🟩	Swamp Marsh Estuary

LENTIC AND LOTIC WATERS[1]

✳	Spring or Well	🟦	Intermittent Stream
〰	Canal	🟦	Lake, Pond, Reservoir, or Perennial Stream
🟦	Ephemeral Stream/Wash		

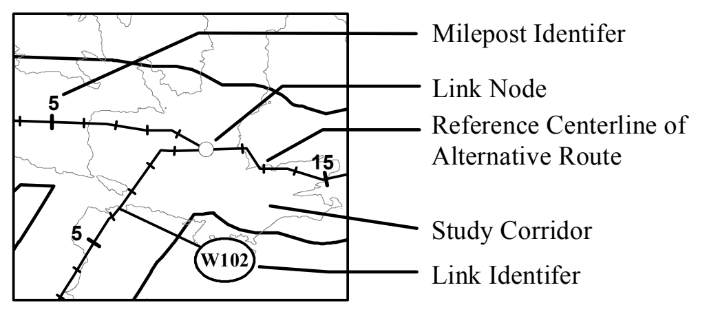
SUBBASIN BOUNDARIES[1]

〰 Subbasin (8-digit HUC)

Upper North Platte - 10180002
Pathfinder-Seminoe Reservoirs - 10180003
Medicine Bow - 10180004
Little Medicine Bow - 10180005
Colorado Headwaters-Plateau - 14010005
Bitter - 14040105
Upper Green-Flaming Gorge Reservoir - 14040105
Vermilion - 14040109

Great Divide Closed Basin - 14040200
Upper Yampa - 14050001
Lower Yampa - 14050002
Little Snake - 14050003
Muddy - 14050004
Upper White - 14050005
Piceance-Yellow - 14050006
Lower White - 14050007

Inventory Key



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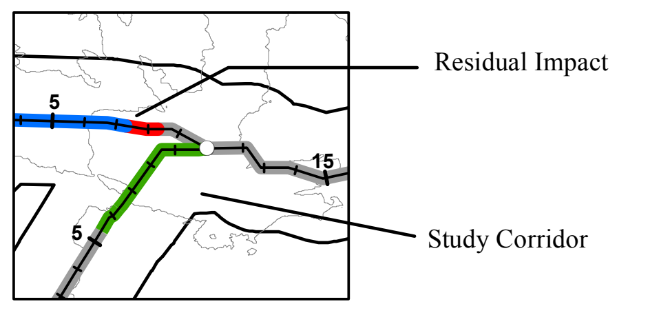

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

⌜⌟	Project Area Boundary	○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	○	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Ⓐ	Series Compensation Station Siting Area	○	345kV Proposed Reroute (Segment 4c - Inset B)
┼	Alternative Route		

General Reference

•	City or Town	⬭	Interstate Highway
▲	Substation	⬭	U.S. Highway
▣	Power Plant	⬭	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	— · · —	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼	Railroad	▭	Jurisdictional Boundary
●─●	Pipeline		

Sources:

Impaired Water as compiled by EPG, FWS 2011, USGS 2010a; Outstanding Water as compiled by EPG, USGS 2010a;
National Wetland Inventory, FWS 2011; National Hydrography Dataset, USGS 2010a;
Riparian Areas Land Cover GAP, USGS 2010b; Subbasin (8-digit HUC), USGS 2009;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Water resources are identified within the geographic scope of analysis defined in Chapter 3 of the Final Environmental Impact Statement. For visual representation these resources are displayed within a 2-mile-wide corridor.
[2] Subbasin boundaries are only shown within the Project area boundary.
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- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

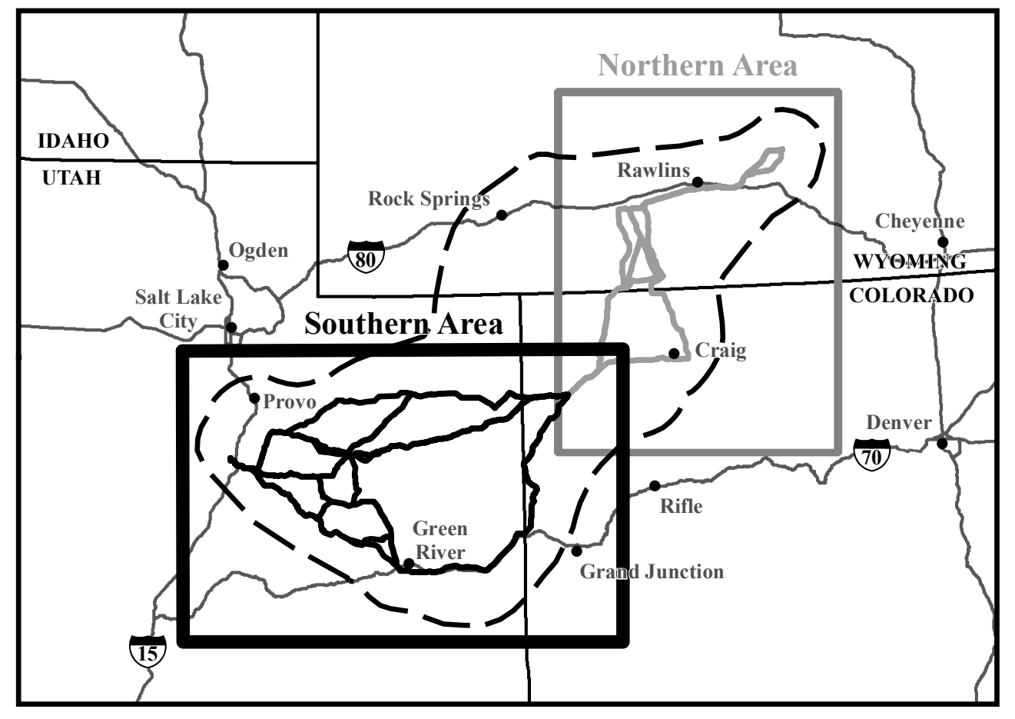
Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

MV-6b

Water Resources

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

SPECIALLY DESIGNATED WATERS[1]

- 🟧 Impaired Water
- 🟪 Outstanding Water
- 🟩 Palustrine Forested Wetland

WETLAND AND RIPARIAN AREAS[1]

- 🟩 Palustrine Scrub/Shrub Wetland
- 🟩 Riparian Area
- 🟩 Palustrine Emergent Wetland
- 🟩 Swamp Marsh Estuary

LENTIC AND LOTIC WATERS[1]

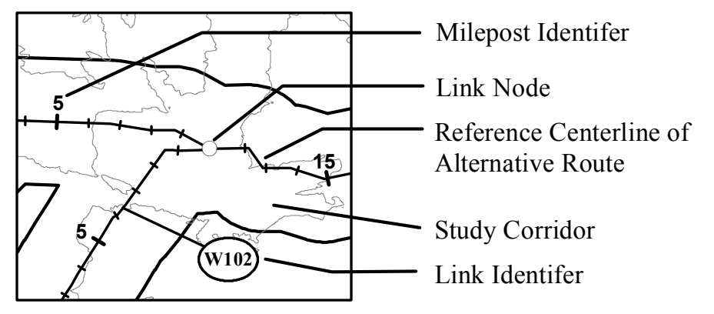
- ✳ Spring or Well
- 🟦 Intermittent Stream
- ～ Canal
- 🟦 Lake, Pond, Reservoir, or Perennial Stream
- 🟦 Ephemeral Stream/Wash

SUBBASIN BOUNDARIES[1]

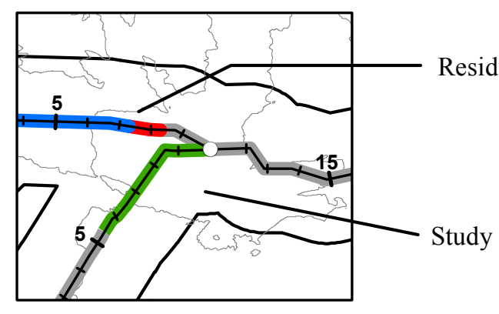
～ Subbasin (8-digit HUC)

Colorado Headwaters-Plateau - 14010005
Westwater Canyon - 14030001
Lower Dolores - 14030004
Upper Colorado-Kane Springs - 14030005
Lower Yampa - 14050002
Little Snake - 14050003
Upper White - 14050005
Piceance-Yellow - 14050006
Lower White - 14050007
Lower Green-Diamond - 14060001
Ashley-Brush - 14060002
Duchesne - 14060003
Strawberry - 14060004
Lower Green-Desolation Canyon - 14060005
Willow - 14060006
Price - 14060007
Lower Green - 14060008
San Rafael - 14060009
Utah Lake - 16020201
Spanish Fork - 16020202
Provo - 16020203
San Pitch - 16020204
Lower Sevier - 16020205

Inventory Key



Impact Key



Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ▨ No Identifiable

Project Features

- [ ] Project Area Boundary
- △ Substation (Project Terminal)
- ⬚ Series Compensation Station Siting Area
- ┼┼┼ Alternative Route
- ●—● 345kV Proposed Relocation (Inset A)
- ●—● 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- ●—● 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- - - - 500kV Transmission Line
- - - - 345kV Transmission Line
- - - - 230kV Transmission Line
- - - - 138kV Transmission Line
- ┼┼┼ Railroad
- ●─● Pipeline
- 70 Interstate Highway
- 40 U.S. Highway
- 24 State Highway
- ▨ Lake or Reservoir
- ─ · · ─ River or Stream
- ▭ State Boundary
- ▭ County Boundary
- ▭ Jurisdictional Boundary

Sources:

Impaired Water as compiled by EPG, FWS 2011, USGS 2010a; Outstanding Water as compiled by EPG, USGS 2010a; National Wetland Inventory, FWS 2011; National Hydrography Dataset, USGS 2010a; Riparian Areas Land Cover GAP, USGS 2010b; Subbasin (8-digit HUC), USGS 2009; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

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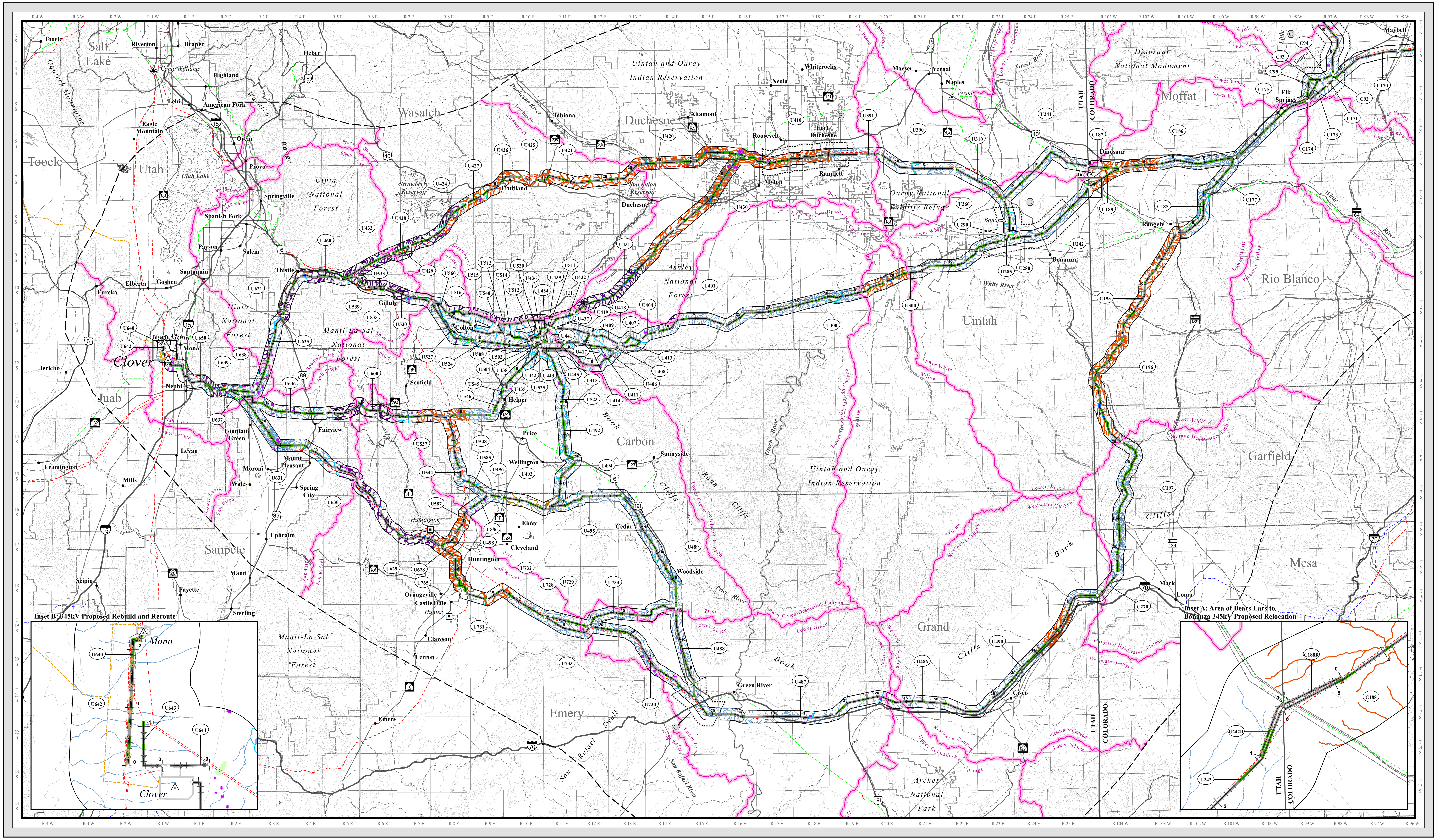
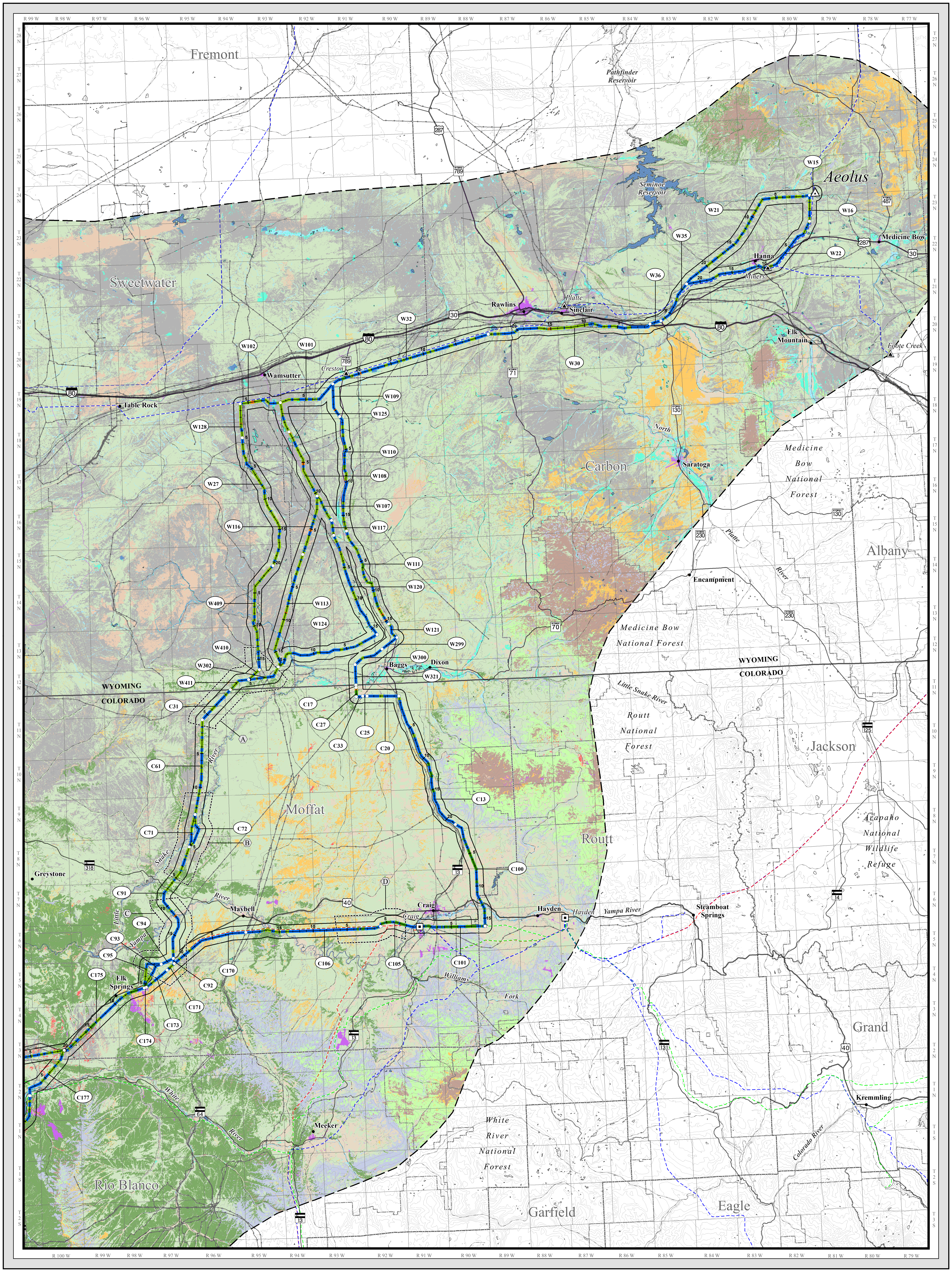
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



Biological Resources

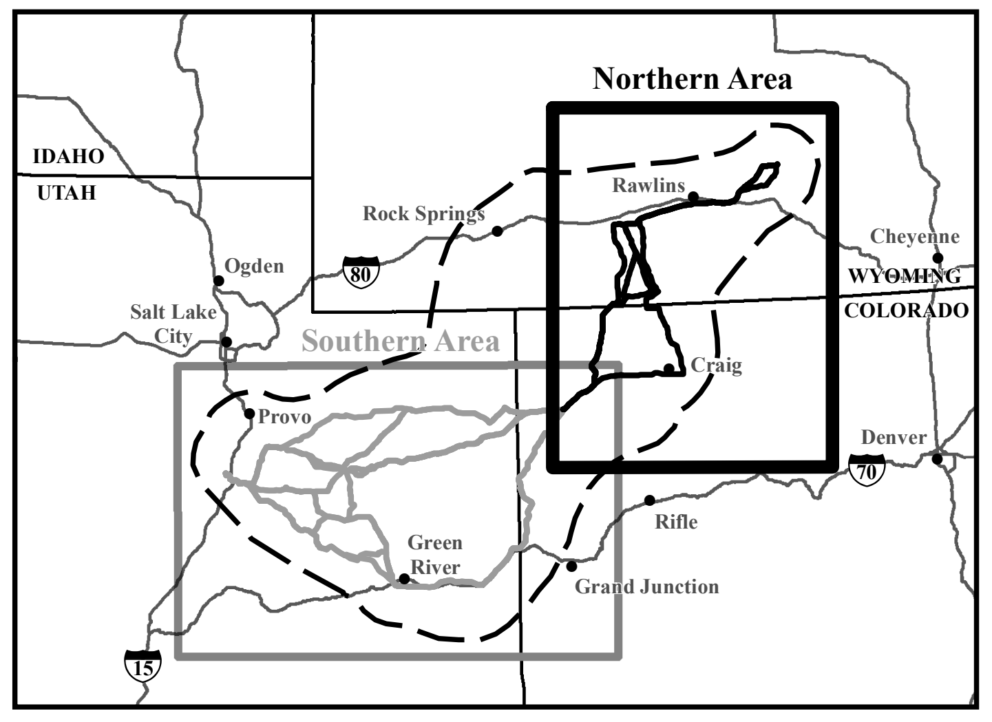


MV-7a

Vegetation

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

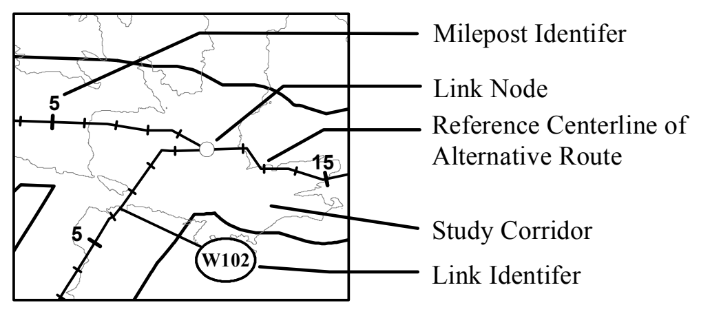


Resource Inventory

PRIMARY VEGETATION COMMUNITIES[1]

■	Agriculture	■	Montane Forest
□	Alpine	■	Mountain Shrub
■	Aspen	■	Pinyon-juniper
■	Barren/Sparsely Vegetated	■	Ponderosa Pine
■	Big Sagebrush	■	Riparian
■	Developed/Disturbed	■	Shrub/Shrub Steppe
■	Grassland	■	Water
■	Invasive	■	Wetland

Inventory Key



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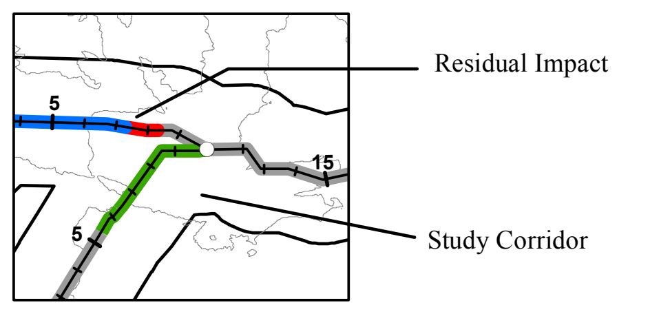

Impact Levels

🟥	High	■	Low/Moderate
🟧	Moderate/High	🟩	Low
🟦	Moderate	■	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

•	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·· —	River or Stream
- - -	230kV Transmission Line	□	State Boundary
- - -	138kV Transmission Line	⬚	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
•—•	Pipeline		

Sources:
Land Cover GAP, USGS 2010b, 2010c; National Wetland Inventory, FWS 2011;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:
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- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

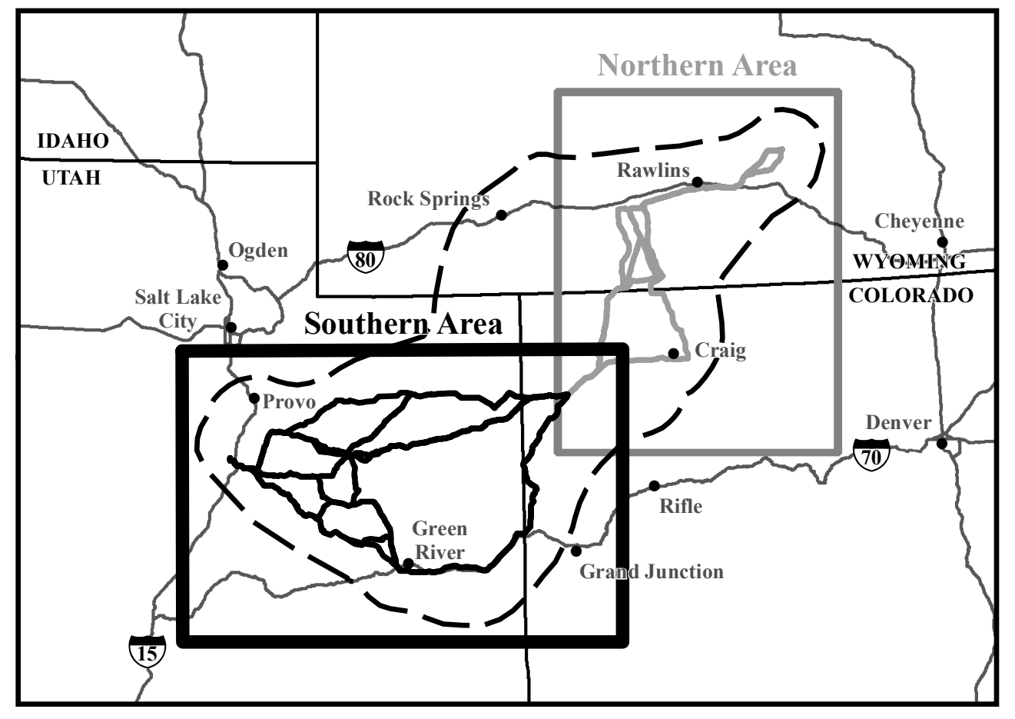
MV-7b

Vegetation

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index

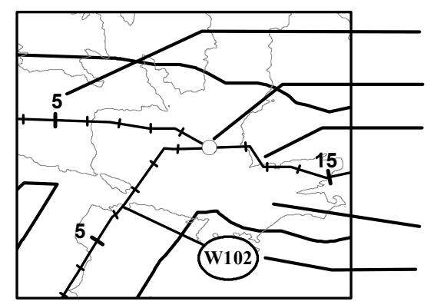


Resource Inventory

PRIMARY VEGETATION COMMUNITIES[1]

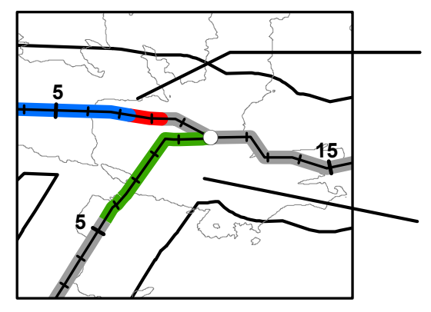
■	Agriculture	■	Montane Forest
□	Alpine	■	Mountain Shrub
■	Aspen	■	Pinyon-juniper
■	Barren/Sparsely Vegetated	■	Ponderosa Pine
■	Big Sagebrush	■	Riparian
■	Developed/Disturbed	■	Shrub/Shrub Steppe
■	Grassland	■	Water
■	Invasive	■	Wetland

Inventory Key



Milepost Identifer
Link Node
Reference Centerline of Alternative Route
Study Corridor
Link Identifer

Impact Key



Residual Impact
Study Corridor

Impact Levels

▬	High	▬	Low/Moderate
▬	Moderate/High	▬	Low
▬	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚–A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·—·	River or Stream
- - -	230kV Transmission Line	□	State Boundary
- - -	138kV Transmission Line	□	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
•—•	Pipeline		

Sources:

Land Cover GAP, USGS 2010b, 2010c; National Wetland Inventory, FWS 2011;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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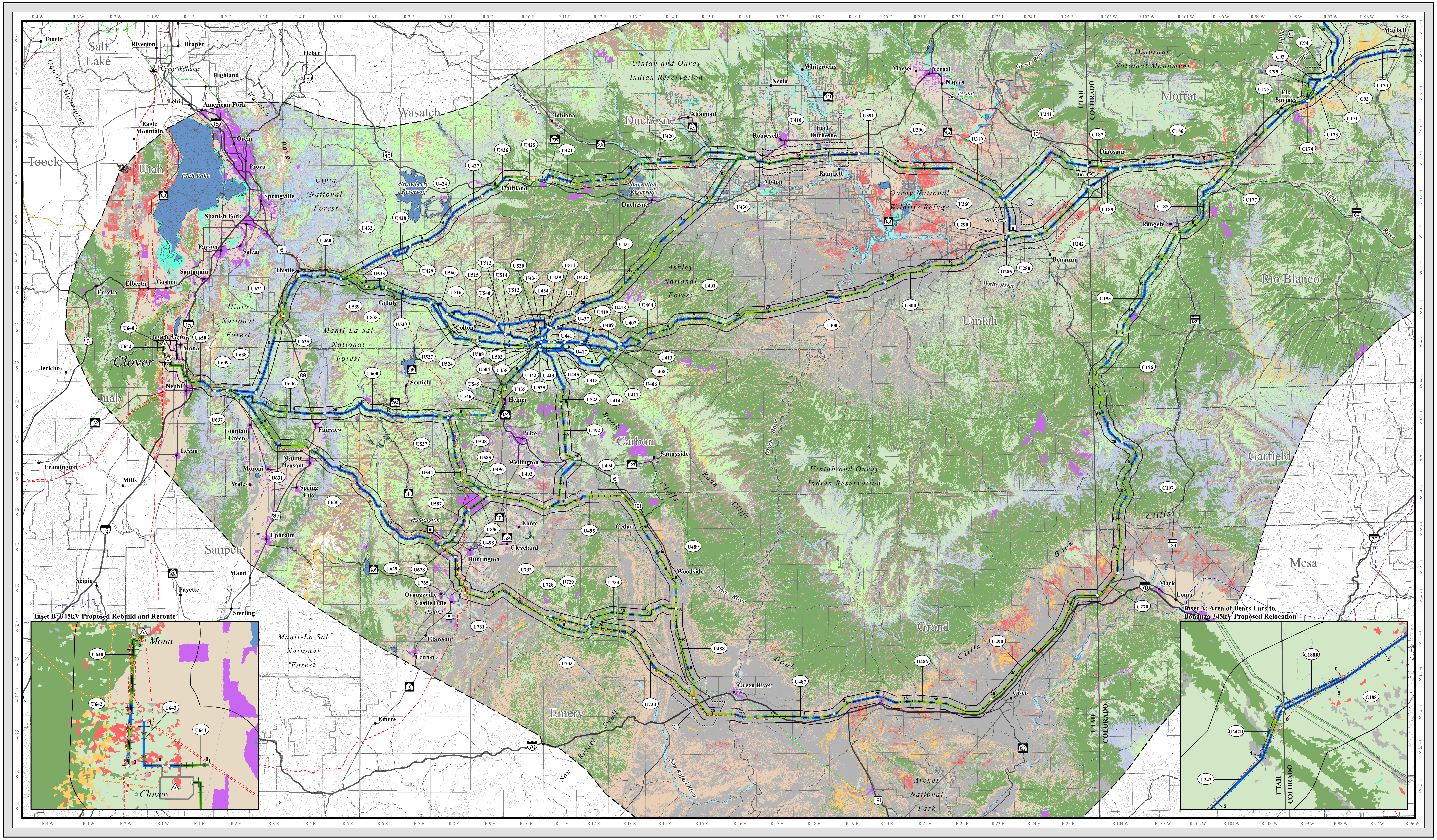
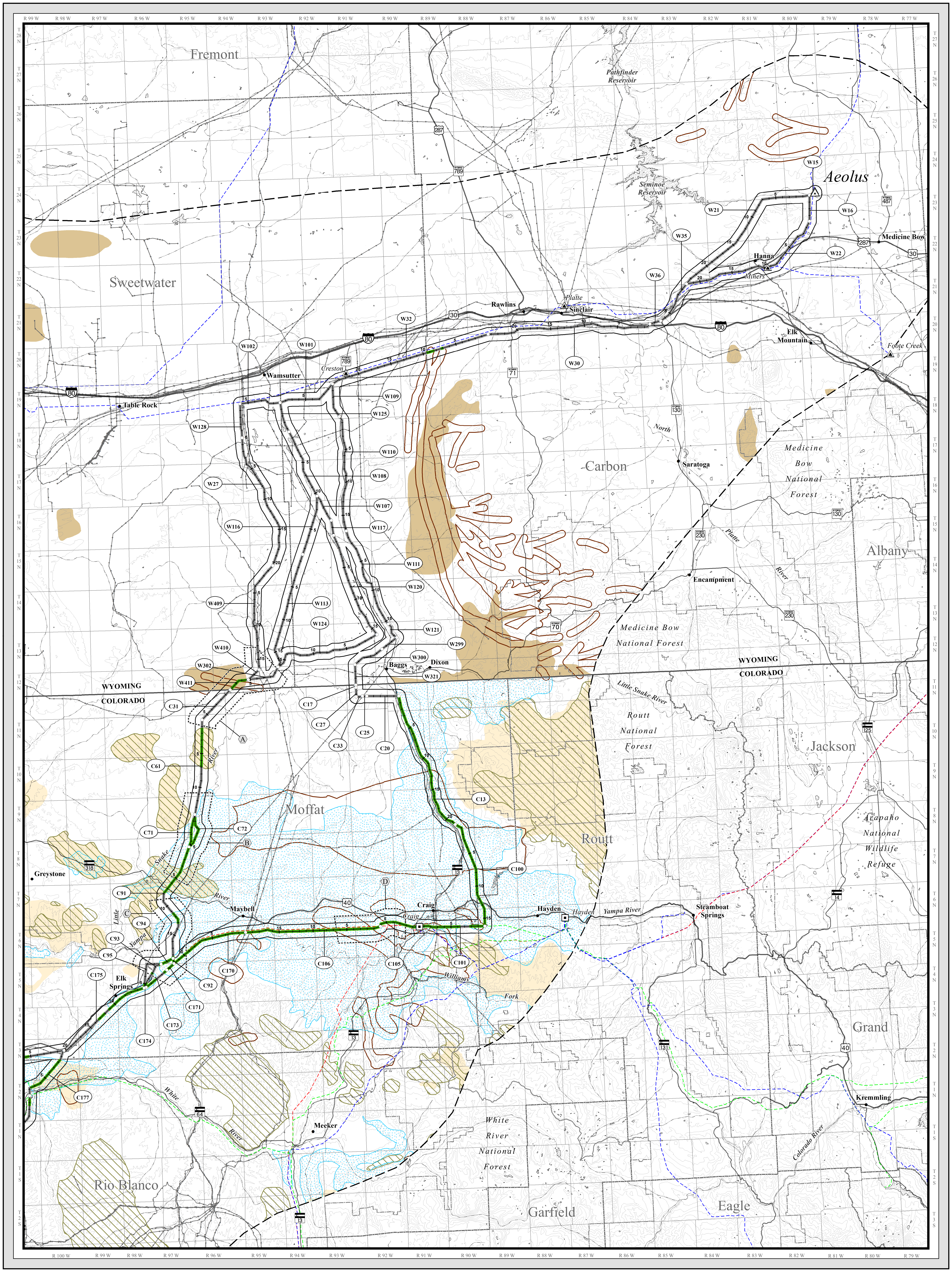


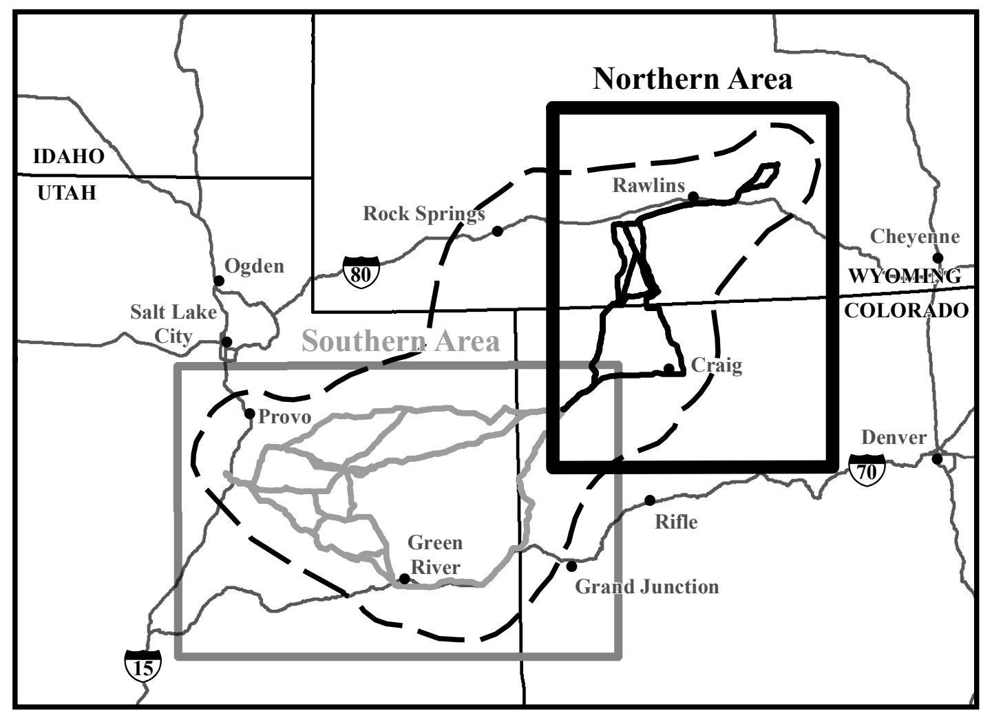


MV-8a

Moose and Elk Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

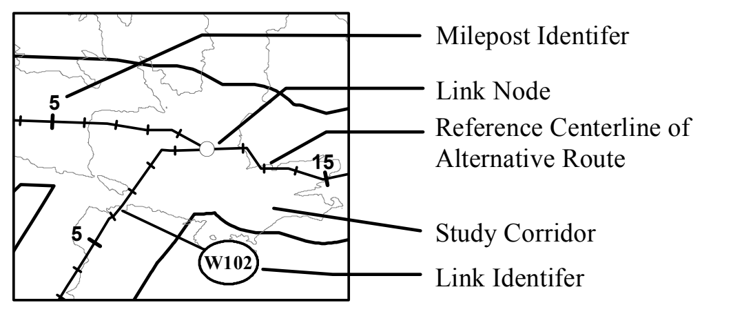
ELK HABITAT[1]

▨	Crucial Winter (UT, WY)/ Severe Winter (CO)	▨	Crucial Summer (UT)/ Summer Concentration (CO)
🟩	Crucial Spring/Fall	☐	Migration Corridor
▨	Crucial Year-long	▨	Calving Ground

MOOSE HABITAT[1]

▨	Crucial Winter	▨	Crucial Year-long
▨	Crucial Spring/Fall	▨	Calving Ground

Inventory Key



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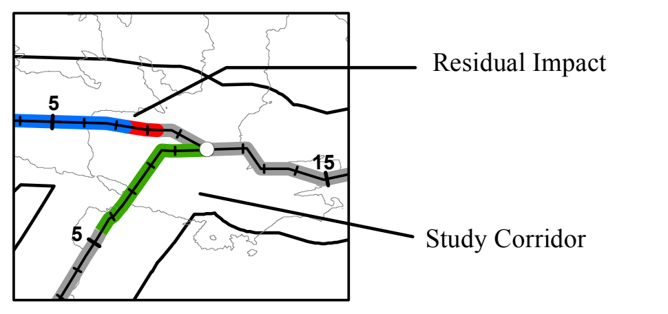

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▨	No Identifiable

Project Features

☐	Project Area Boundary	●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
☐ A	Series Compensation Station Siting Area	●	345kV Proposed Reroute (Segment 4c - Inset B)
5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	— · · —	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
+++	Railroad	☐	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Elk Habitat, CPW 2012c, UDWR 2007a, WGFD 2008, 2011b; Moose Habitat, UDWR 2006b;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
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FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

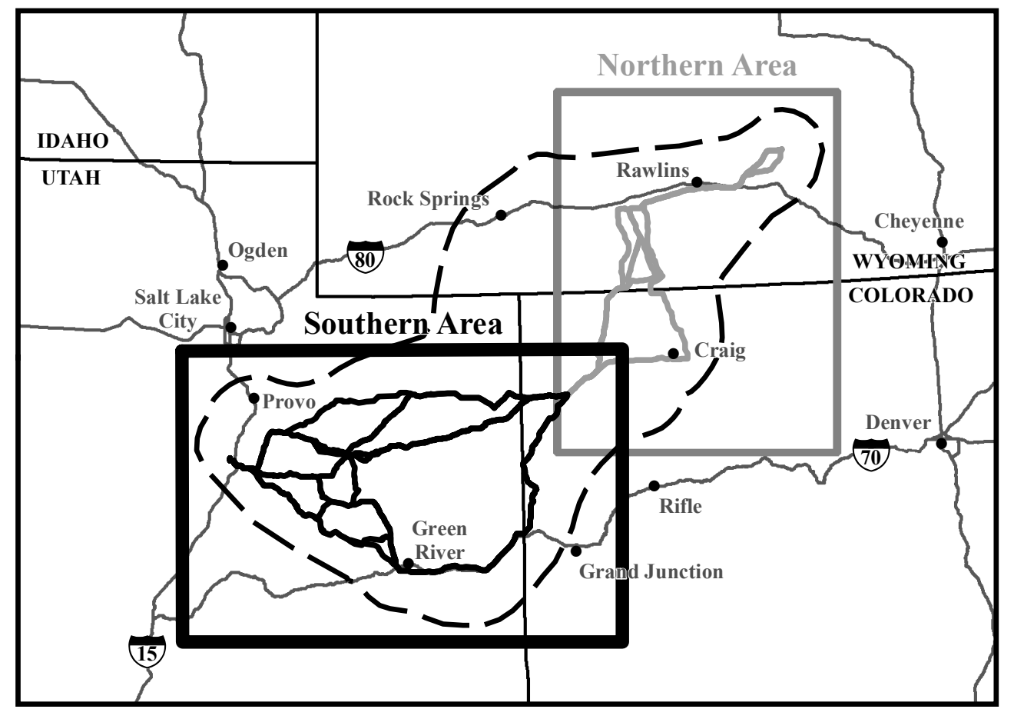
MV-8b

Moose and Elk Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

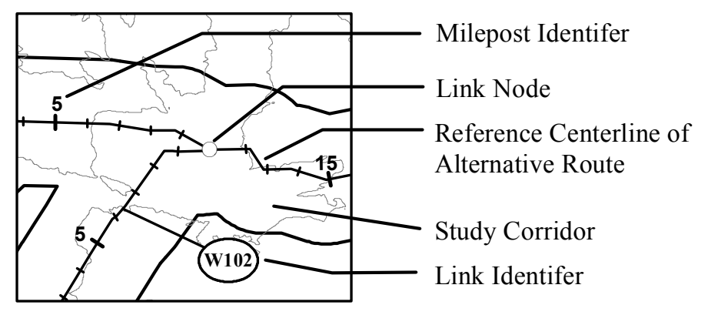
ELK HABITAT[1]

▨ Crucial Winter (UT, WY)/ Severe Winter (CO)	▨ Crucial Summer (UT)/ Summer Concentration (CO)
▨ Crucial Spring/Fall	☐ Migration Corridor
▨ Crucial Year-long	▨ Calving Ground

MOOSE HABITAT[1]

▨ Crucial Winter	▨ Crucial Year-long
▨ Crucial Spring/Fall	▨ Calving Ground

Inventory Key



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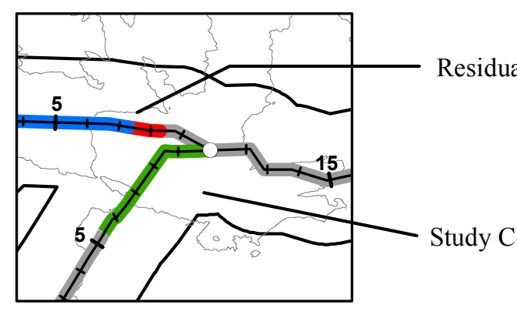

Impact Levels

🟥 High	🟩 Low
🟦 Moderate	▬ No Identifiable

Project Features

Project Area Boundary	345kV Proposed Relocation (Inset A)
△ Substation (Project Terminal)	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Series Compensation Station Siting Area	345kV Proposed Reroute (Segment 4c - Inset B)
Alternative Route	

General Reference

● City or Town	Interstate Highway
▲ Substation	U.S. Highway
▣ Power Plant	State Highway
500kV Transmission Line	▨ Lake or Reservoir
345kV Transmission Line	River or Stream
230kV Transmission Line	☐ State Boundary
138kV Transmission Line	☐ County Boundary
Railroad	Jurisdictional Boundary
Pipeline	

Sources:

Elk Habitat, CPW 2012c, UDWR 2007a, WGFD 2008, 2011b; Moose Habitat, UDWR 2006b;
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FINAL EIS
September 2015

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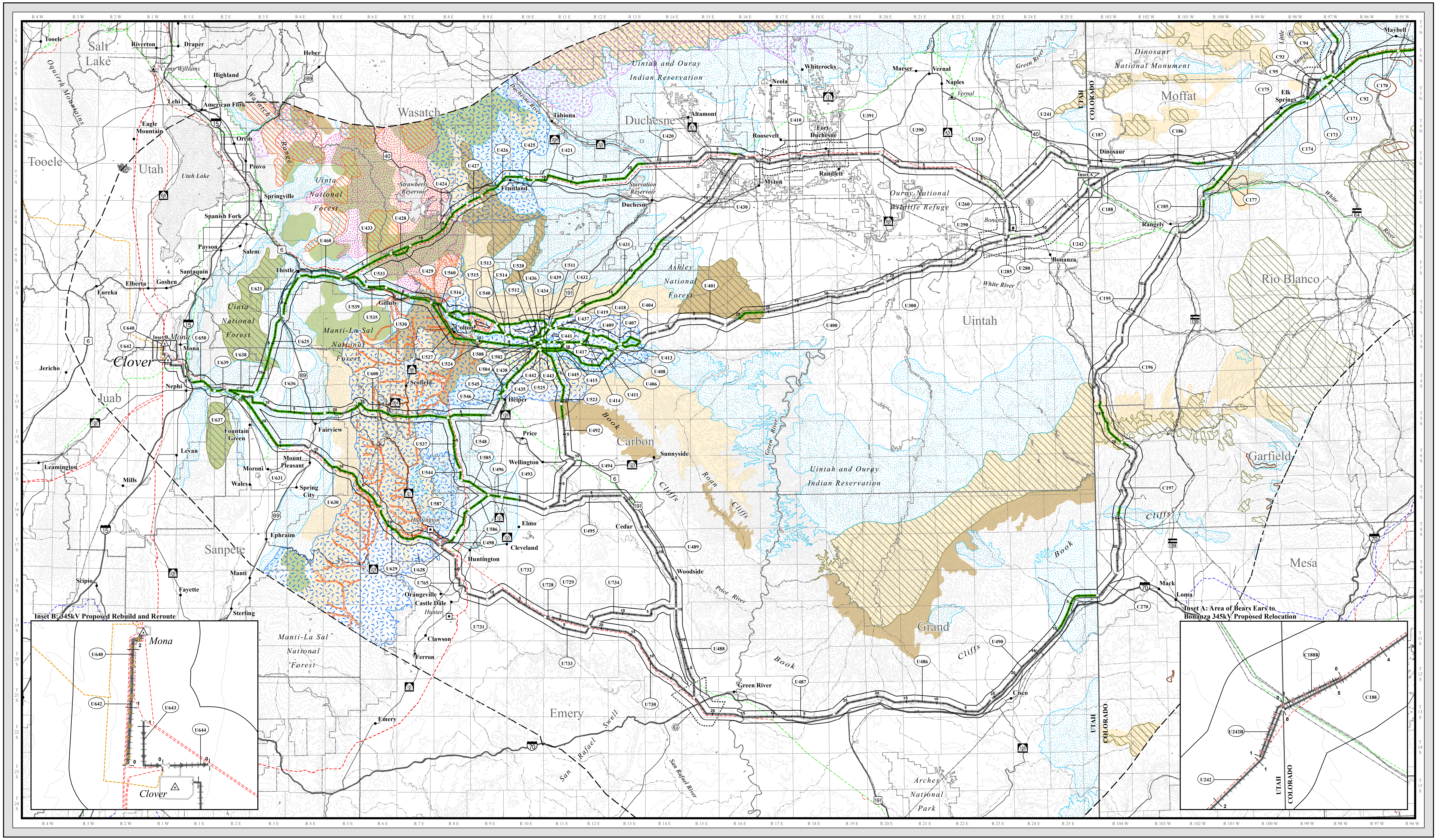
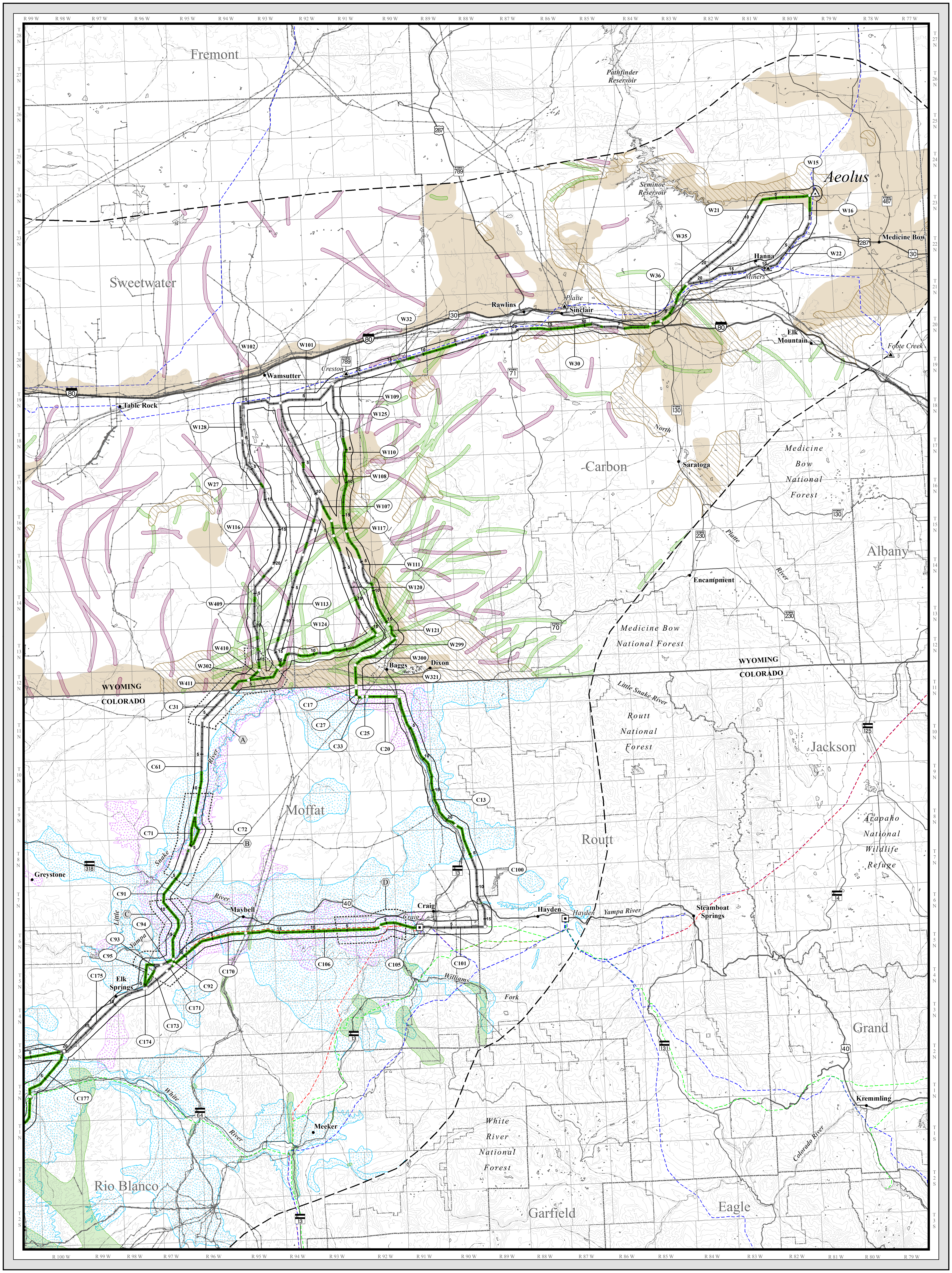


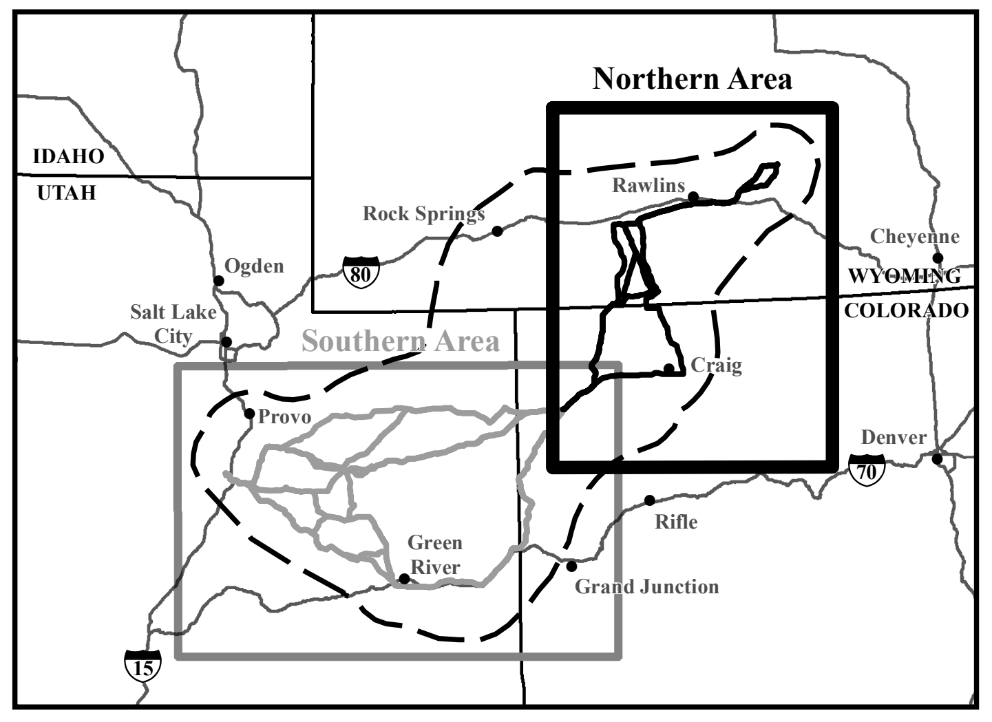
Bighorn Sheep, Pronghorn and Mule Deer Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT



SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

BIGHORN SHEEP HABITAT[1]

- ▨ Crucial Year-long

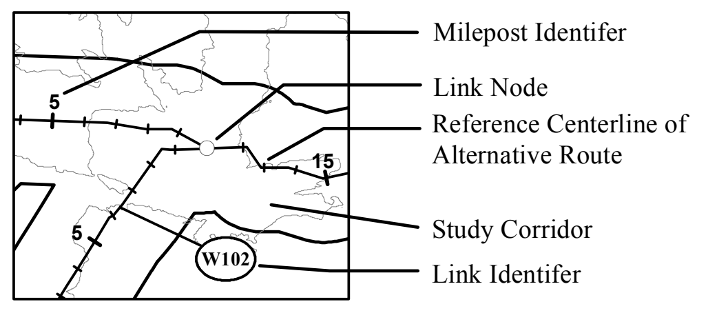
PRONGHORN ANTELOPE HABITAT[1]

- ■ Crucial Year-long
- ▨ Fawning Area
- ⁘ Severe Winter
- ■ Migration Corridor

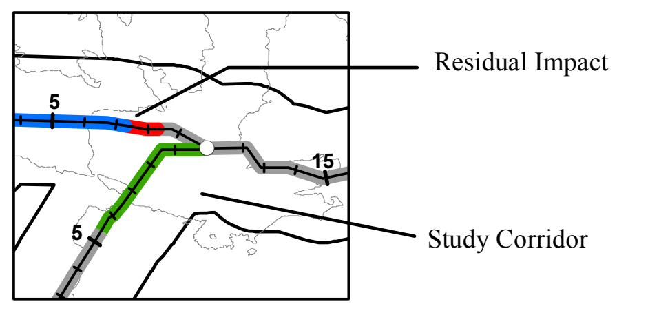
MULE DEER HABITAT[1]

- ■ Crucial Summer
- ⁘ Crucial Winter (UT)/ Critical Winter (CO)
- ■ Crucial Winter/Spring
- ▨ Crucial Year-Long
- ■ Crucial Spring/Fall
- ■ Migration Corridor

Inventory Key



Impact Key



Impact Levels

- High
- Low
- Moderate
- No Identifiable

Project Features

- Project Area Boundary
- 345kV Proposed Relocation (Inset A)
- Substation (Project Terminal)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- Series Compensation Station Siting Area
- 345kV Proposed Reroute (Segment 4c - Inset B)
- Alternative Route

General Reference

- ● City or Town
- Interstate Highway
- ▲ Substation
- U.S. Highway
- ▣ Power Plant
- State Highway
- 500kV Transmission Line
- Lake or Reservoir
- 345kV Transmission Line
- River or Stream
- 230kV Transmission Line
- State Boundary
- 138kV Transmission Line
- County Boundary
- Railroad
- Jurisdictional Boundary
- Pipeline

Sources:

Rocky Mountain Bighorn Sheep Habitat, UDWR 2006a;
Pronghorn Habitat, CPW 2012e, UDWR 2010a, WGFD 2008, 2010a;
Mule Deer Habitat, CPW 2011b, 2012d, UDWR 2007b, WGFD 2008, 2010a;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Bighorn sheep, pronghorn antelope, and mule deer habitats are only shown within the Project area boundary.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS

September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles

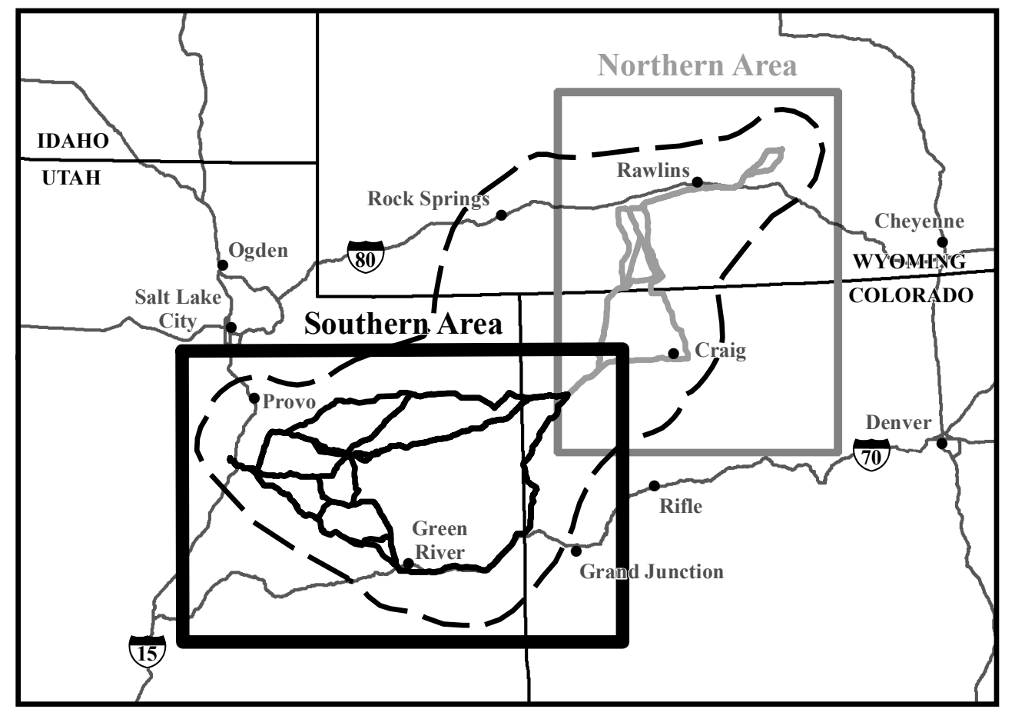
MV-9b

Bighorn Sheep, Pronghorn and Mule Deer Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

BIGHORN SHEEP HABITAT[1]

- ▨ Crucial Year-long

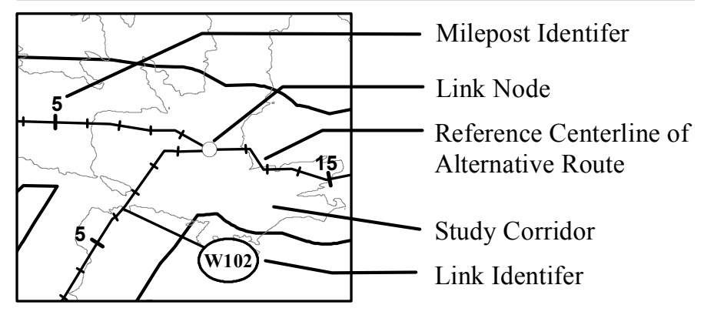
PRONGHORN ANTELOPE HABITAT[1]

- ▨ Crucial Year-long
- ▨ Severe Winter
- ▨ Fawning Area
- ▨ Migration Corridor

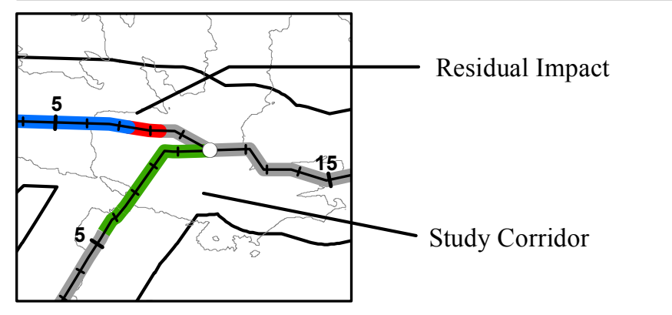
MULE DEER HABITAT[1]

- 🟨 Crucial Summer
- 🟫 Crucial Winter/Spring
- 🟩 Crucial Spring/Fall
- ▨ Crucial Winter (UT)/ Critical Winter (CO)
- ▨ Crucial Year-Long
- 🟩 Migration Corridor

Inventory Key



Impact Key



Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ▬ No Identifiable

Project Features

- Project Area Boundary
- △ Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Rocky Mountain Bighorn Sheep Habitat, UDWR 2006a;
Pronghorn Habitat, CPW 2012e, UDWR 2010a, WGFD 2008, 2010a;
Mule Deer Habitat, CPW 2011b, 2012d, UDWR 2007b, WGFD 2008, 2010a;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Notes:

[1] Bighorn sheep, pronghorn antelope, and mule deer habitats are only shown within the Project area boundary.

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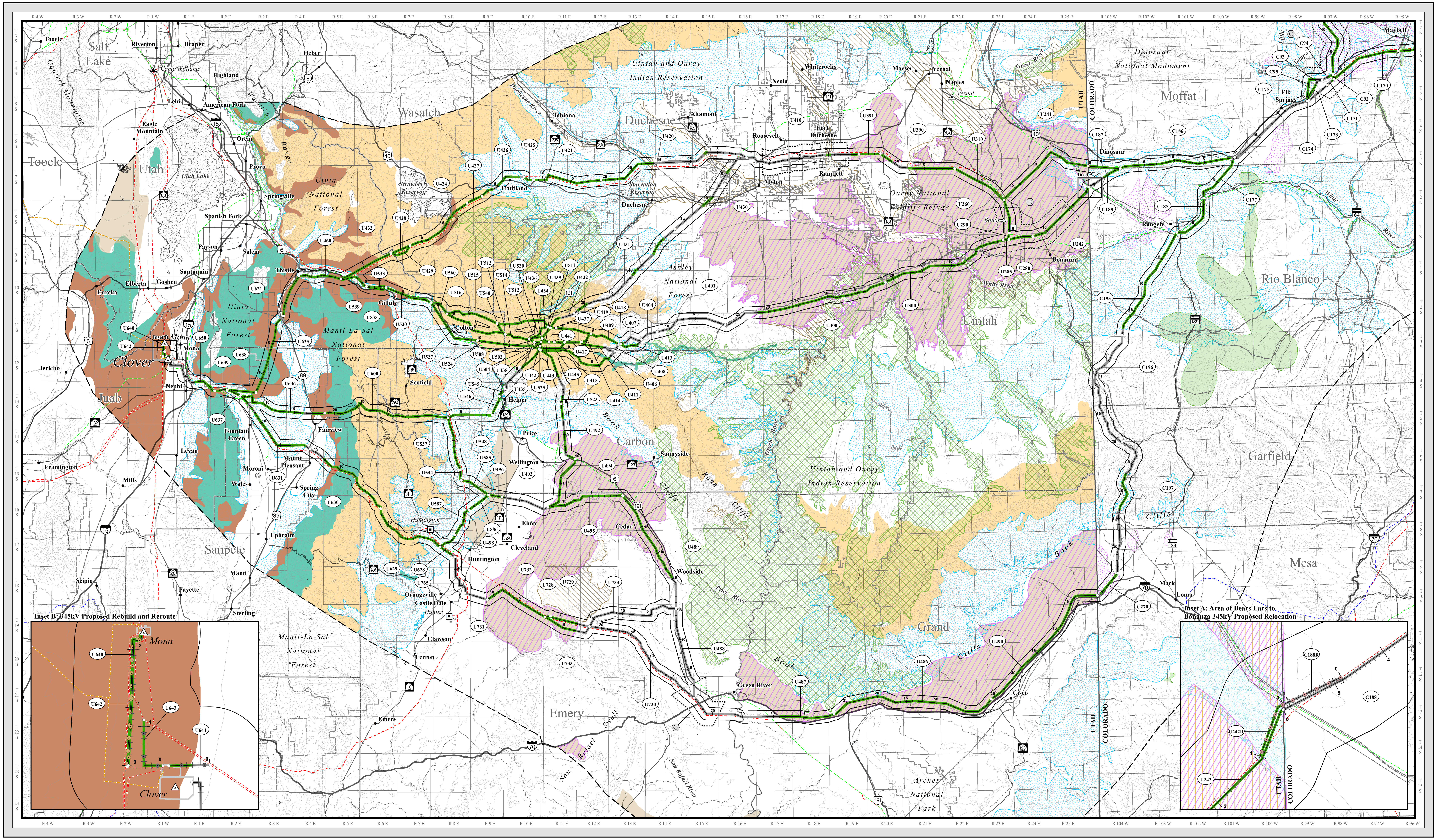
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles

0 3 6 12 18 Miles

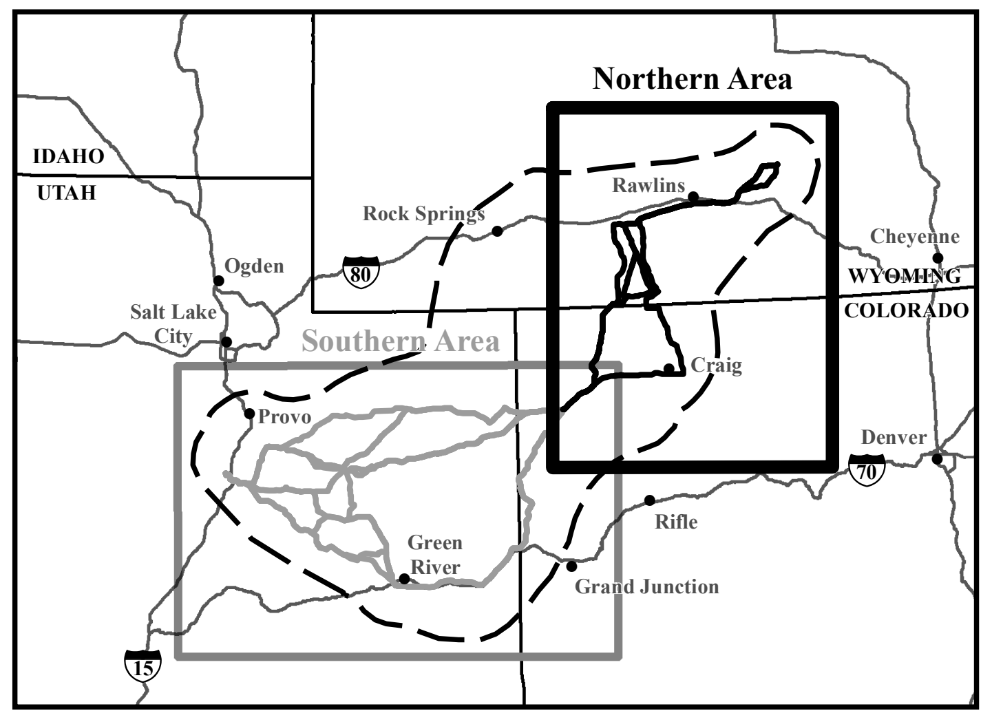
1:380,160 or 1 inch = 6 miles

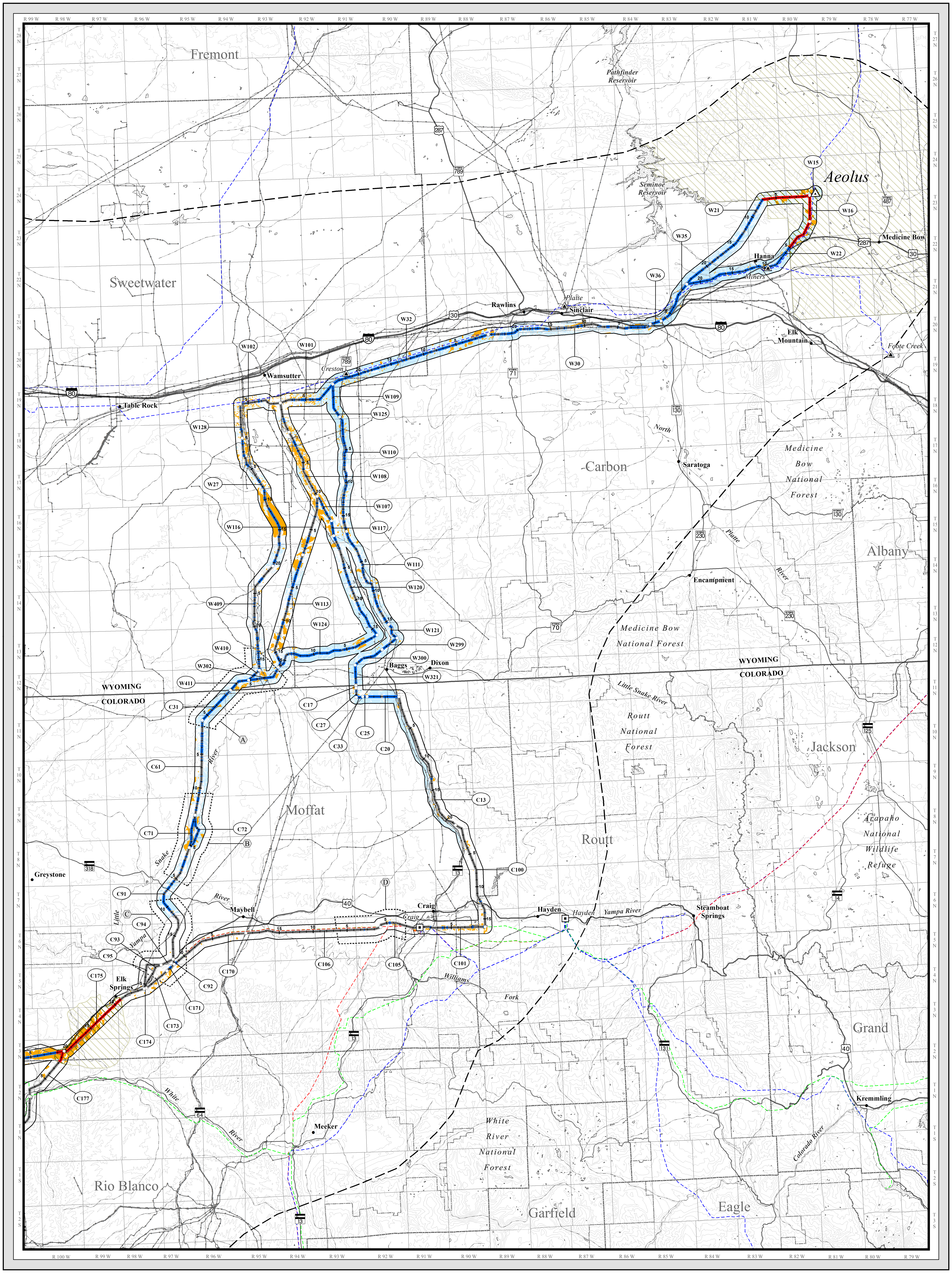


Special Status Mammal Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



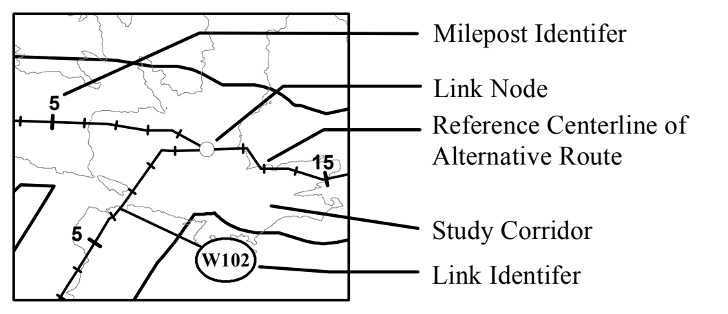


Resource Inventory

SPECIAL STATUS MAMMAL HABITATS[1]

- 🟧 Potential White-tailed Prairie Dog Habitat[2]
- 🟦 Potential Pygmy Rabbit Habitat[2]
- ▨ Black-footed Ferret Reintroduction Management Area[3]

Inventory Key



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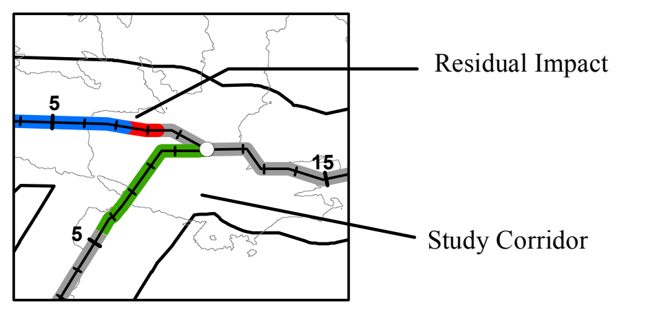

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	⬜	No Identifiable

Project Features

[ ]	Project Area Boundary	○—○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	○—○	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ A	Series Compensation Station Siting Area	○—○	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▒	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
┼┼┼	Railroad	☐	Jurisdictional Boundary
●—●	Pipeline		

Sources:
White-tailed Prairie Dog Modeled Habitat, EPG 2014;
White-tailed Prairie Dog Habitat, BLM 2006, 2008, 2009, 2010, 2011, 2012, CPW 2012;
Pygmy Rabbit Modeled Habitat, EPG 2014;
Black-footed Ferret Colonies, UDWR 2011;
Black-footed Ferret Management Areas, BLM 2012b, CPW 2012i;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
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State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] For additional information regarding the species shown on this map, please refer to the Special Status Wildlife section of Chapter 3 of the Final Environmental Impact Statement.

[2] Potential white-tailed prairie dog and pygmy rabbit habitats are only shown within the 2-mile-wide biological resources study corridor.

[3] Black-footed ferret reintroduction management areas are only shown within the Project area boundary.

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- Contour interval: 150 meters

FINAL EIS
September 2015

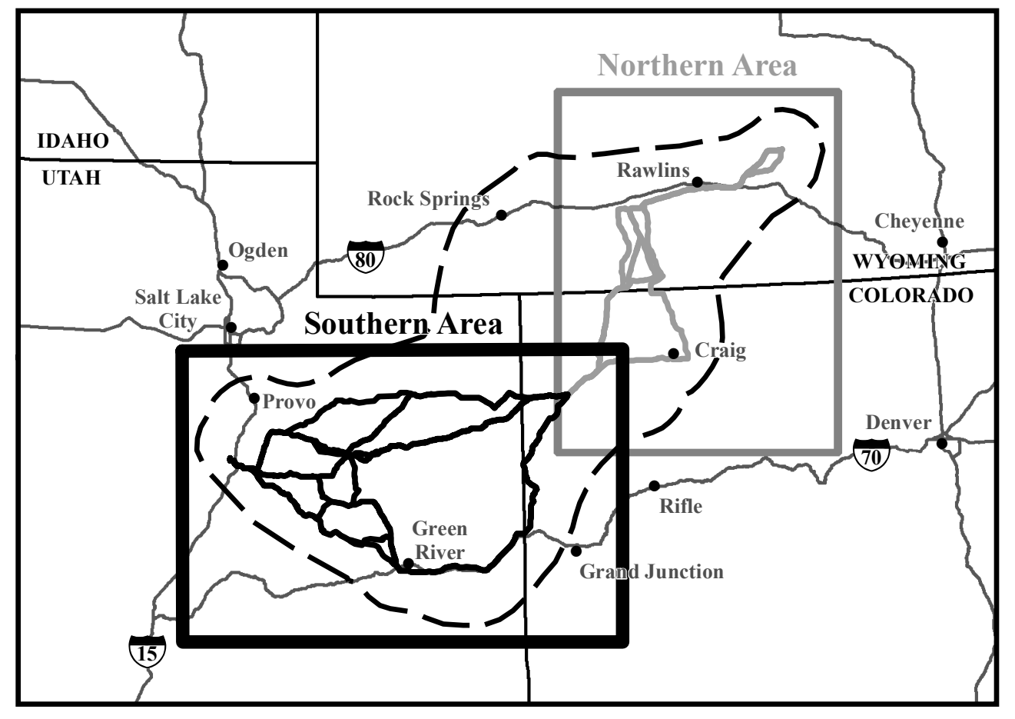
Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

MV-10b

Special Status Mammal Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

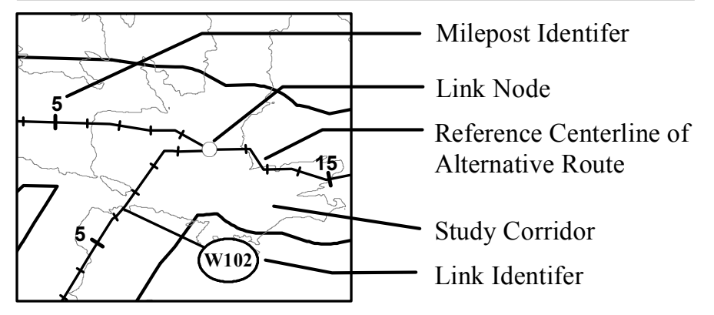


Resource Inventory

SPECIAL STATUS MAMMAL HABITATS[1]

- 🟧 Potential White-tailed Prairie Dog Habitat[2]
- 🟦 Potential Pygmy Rabbit Habitat[2]
- ▨ Black-footed Ferret Reintroduction Management Area[3]

Inventory Key



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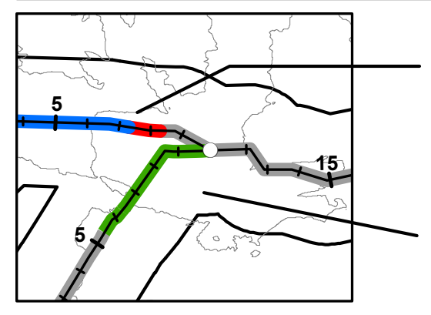

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	⊙—⊙	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	⊙—⊙	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-Ⓐ	Series Compensation Station Siting Area	⊙—⊙	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	— · · —	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:

White-tailed Prairie Dog Modeled Habitat, EPG 2014;
White-tailed Prairie Dog Habitat, BLM 2006, 2008, 2009, 2010, 2011, 2012, CPW 2012;
Pygmy Rabbit Modeled Habitat, EPG 2014;
Black-footed Ferret Colonies, UDWR 2011;
Black-footed Ferret Management Areas, BLM 2012b, CPW 2012i;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

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[1] For additional information regarding the species shown on this map, please refer to the Special Status Wildlife section of Chapter 3 of the Final Environmental Impact Statement.

[2] Potential white-tailed prairie dog and pygmy rabbit habitats are only shown within the 2-mile-wide biological resources study corridor.

[3] Black-footed ferret reintroduction management areas are only shown within the Project area boundary.

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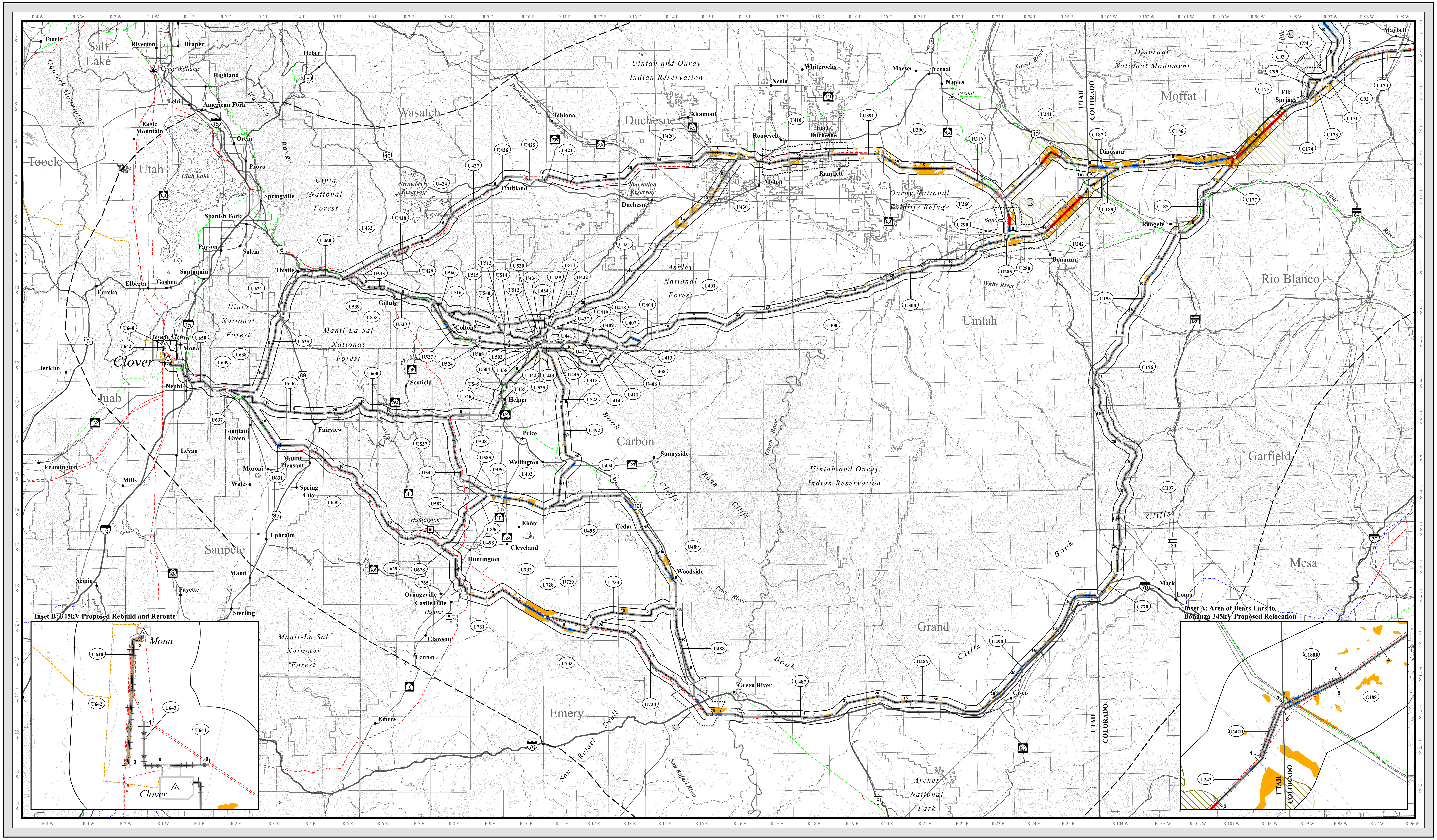
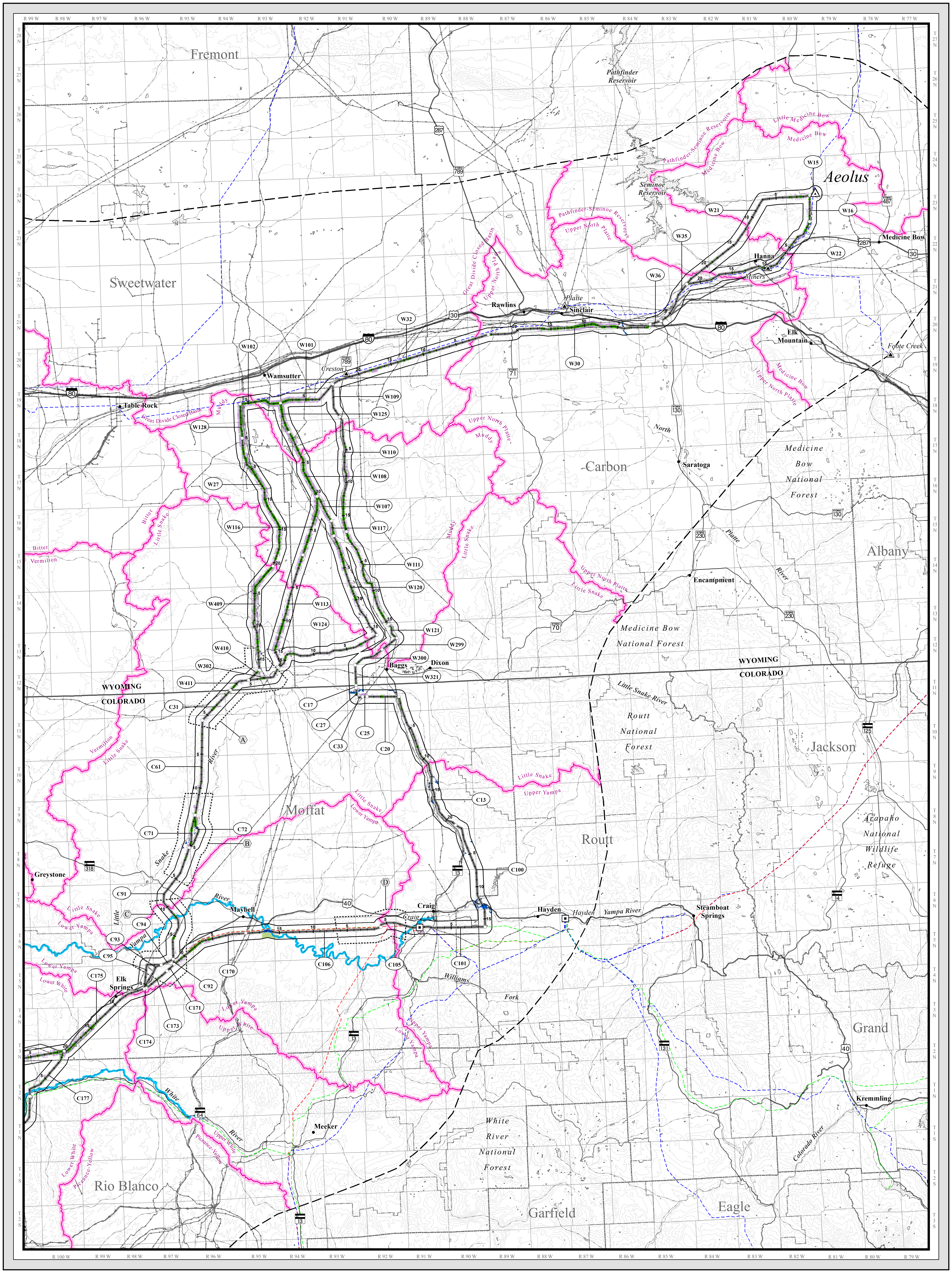
FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



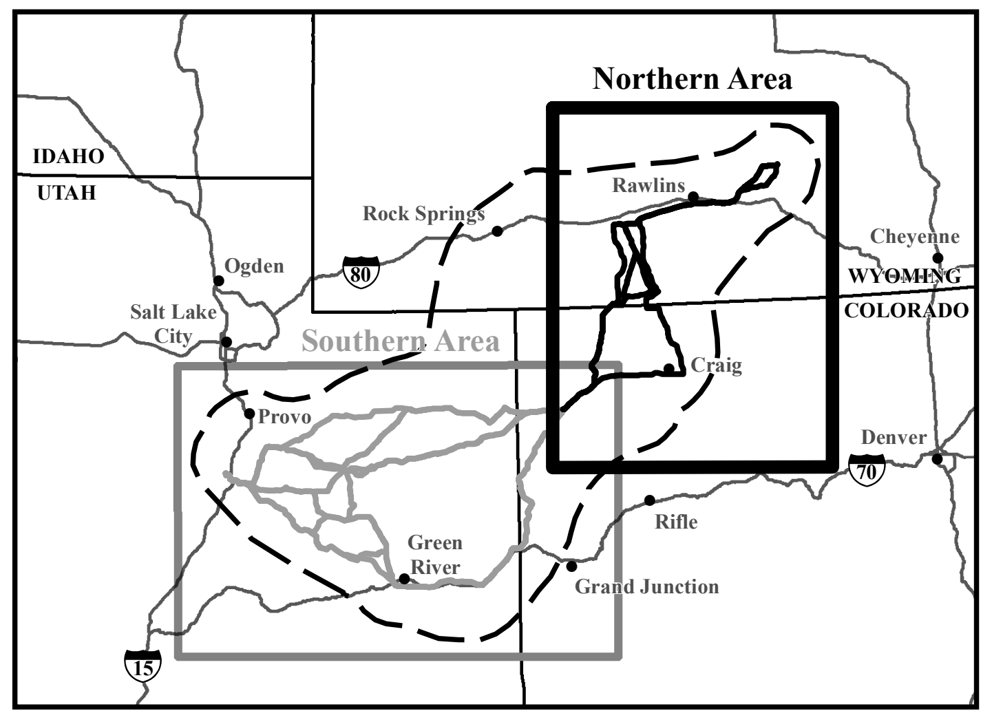


MV-11a

Special Status Bird and Fish Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

SPECIAL STATUS BIRD AND FISH HABITATS[1]

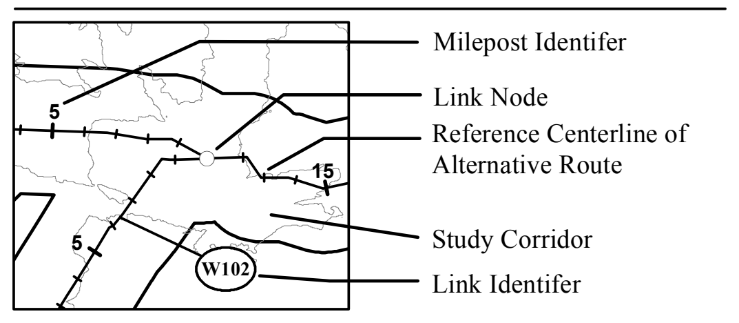
🟦	Federally Listed Colorado River Fish Designated Critical Habitat[2]
🟪	Potential Mountain Plover Habitat[3]
🟦	Potential Yellow-billed Cuckoo Habitat[4]
▨	Potential Southwestern Willow Flycatcher Habitat[4]
🟩	Potential Mexican Spotted Owl Habitat[4]

SUBBASIN BOUNDARIES[1]

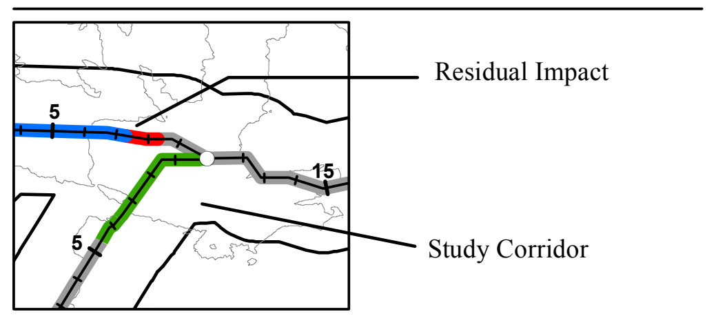
〰	Subbasin (8-digit HUC)

Upper North Platte - 10180002	Great Divide Closed Basin - 14040200
Pathfinder-Seminoe Reservoirs - 10180003	Upper Yampa - 14050001
Medicine Bow - 10180004	Lower Yampa - 14050002
Little Medicine Bow - 10180005	Little Snake - 14050003
Colorado Headwaters-Plateau - 14010005	Muddy - 14050004
Bitter - 14040105	Upper White - 14050005
Upper Green-Flaming Gorge Reservoir - 14040105	Piceance-Yellow - 14050006
Vermilion - 14040109	Lower White - 14050007

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

⌐¬	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
■	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·-·—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
┼┼┼	Railroad	☐	Jurisdictional Boundary
●—●—●	Pipeline		

Sources:

Colorado River Fish Critical Habitat, FWS 2011; Mountain Plover Modeled Habitat, EPG 2014; Yellow-billed Cuckoo Modeled Habitat, EPG 2014; Southwestern Willow Flycatcher Modeled Habitat, EPG 2012; Mexican Spotted Owl Modeled Habitat, EPG 2014; Subbasin (8-digit HUC), USGS 2009; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] For additional information regarding the species shown on this map, please refer to the Special Status Wildlife and Fish and Aquatics sections of Chapter 3 of the Final Environmental Impact Statement.

[2] Federally listed Colorado River fish designated critical habitat and subbasin boundaries are only shown within the Project area boundary.

[3] Mountain plover potential habitat is only shown within the 1-mile-wide biological resources study corridor.

[4] Yellow-billed cuckoo, southwestern willow flycatcher, and Mexican spotted owl potential habitats are only shown within the 2-mile-wide biological resources study corridor.

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FINAL EIS
September 2015

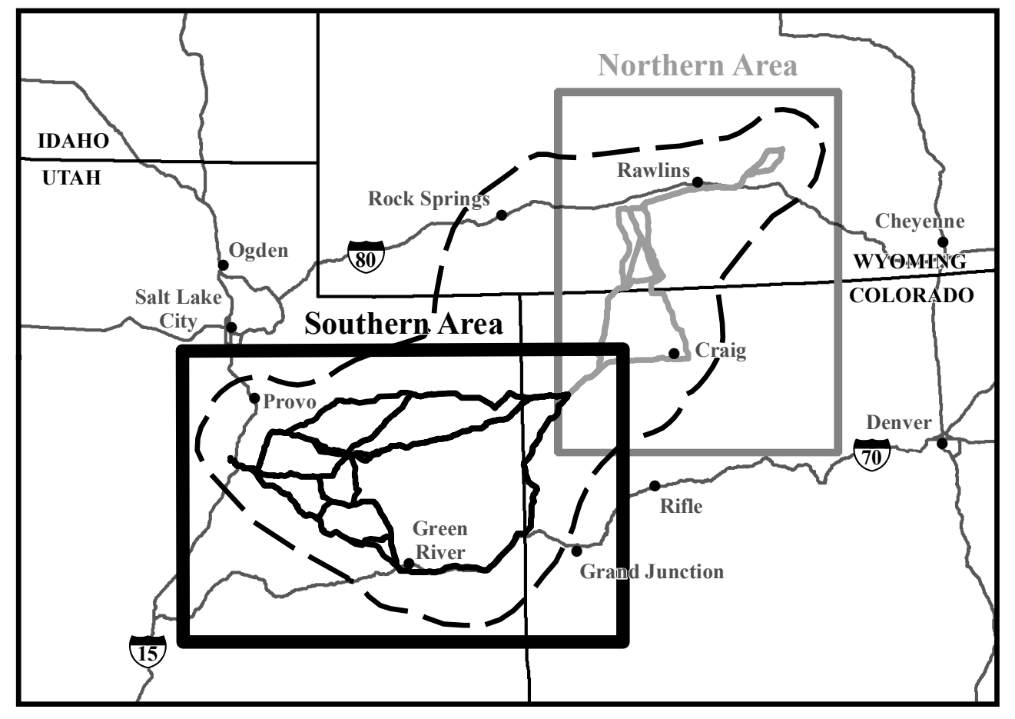
Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

MV-11b

Special Status Bird and Fish Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

SPECIAL STATUS BIRD AND FISH HABITATS[1]

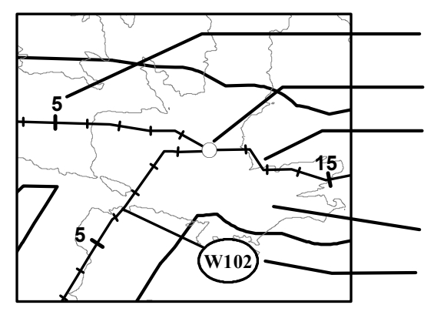
- 🟦 Federally Listed Colorado River Fish Designated Critical Habitat[2]
- 🟪 Potential Mountain Plover Habitat[3]
- 🟦 Potential Yellow-billed Cuckoo Habitat[4]
- ▨ Potential Southwestern Willow Flycatcher Habitat[4]
- 🟩 Potential Mexican Spotted Owl Habitat[4]

SUBBASIN BOUNDARIES[1]

- Subbasin (8-digit HUC)

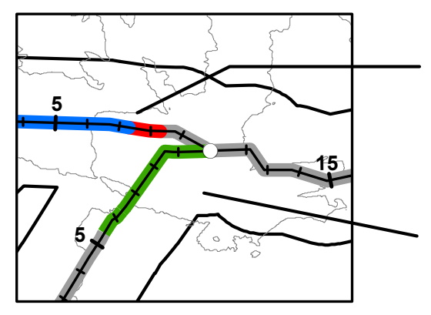
Colorado Headwaters-Plateau - 14010005
Westwater Canyon - 14030001
Lower Dolores - 14030004
Upper Colorado-Kane Springs - 14030005
Lower Yampa - 14050002
Little Snake - 14050003
Upper White - 14050005
Piceance-Yellow - 14050006
Lower White - 14050007
Lower Green-Diamond - 14060001
Ashley-Brush - 14060002
Duchesne - 14060003
Strawberry - 14060004
Lower Green-Desolation Canyon - 14060005
Willow - 14060006
Price - 14060007
Lower Green - 14060008
San Rafael - 14060009
Utah Lake - 16020201
Spanish Fork - 16020202
Provo - 16020203
San Pitch - 16020204
Lower Sevier - 16020205

Inventory Key



Milepost Identifer
Link Node
Reference Centerline of Alternative Route
Study Corridor
Link Identifer

Impact Key



Residual Impact
Study Corridor

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	○—○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	○—○	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚	Series Compensation Station Siting Area	○—○	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:
Colorado River Fish Critical Habitat, FWS 2011; Mountain Plover Modeled Habitat, EPG 2014;
Yellow-billed Cuckoo Modeled Habitat, EPG 2014; Southwestern Willow Flycatcher Modeled Habitat, EPG 2012;
Mexican Spotted Owl Modeled Habitat, EPG 2014; Subbasin (8-digit HUC), USGS 2009;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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[3] Mountain plover potential habitat is only shown within the 1-mile-wide biological resources study corridor.
[4] Yellow-billed cuckoo, southwestern willow flycatcher, and Mexican spotted owl potential habitats are only shown within the 2-mile-wide biological resources study corridor.
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- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
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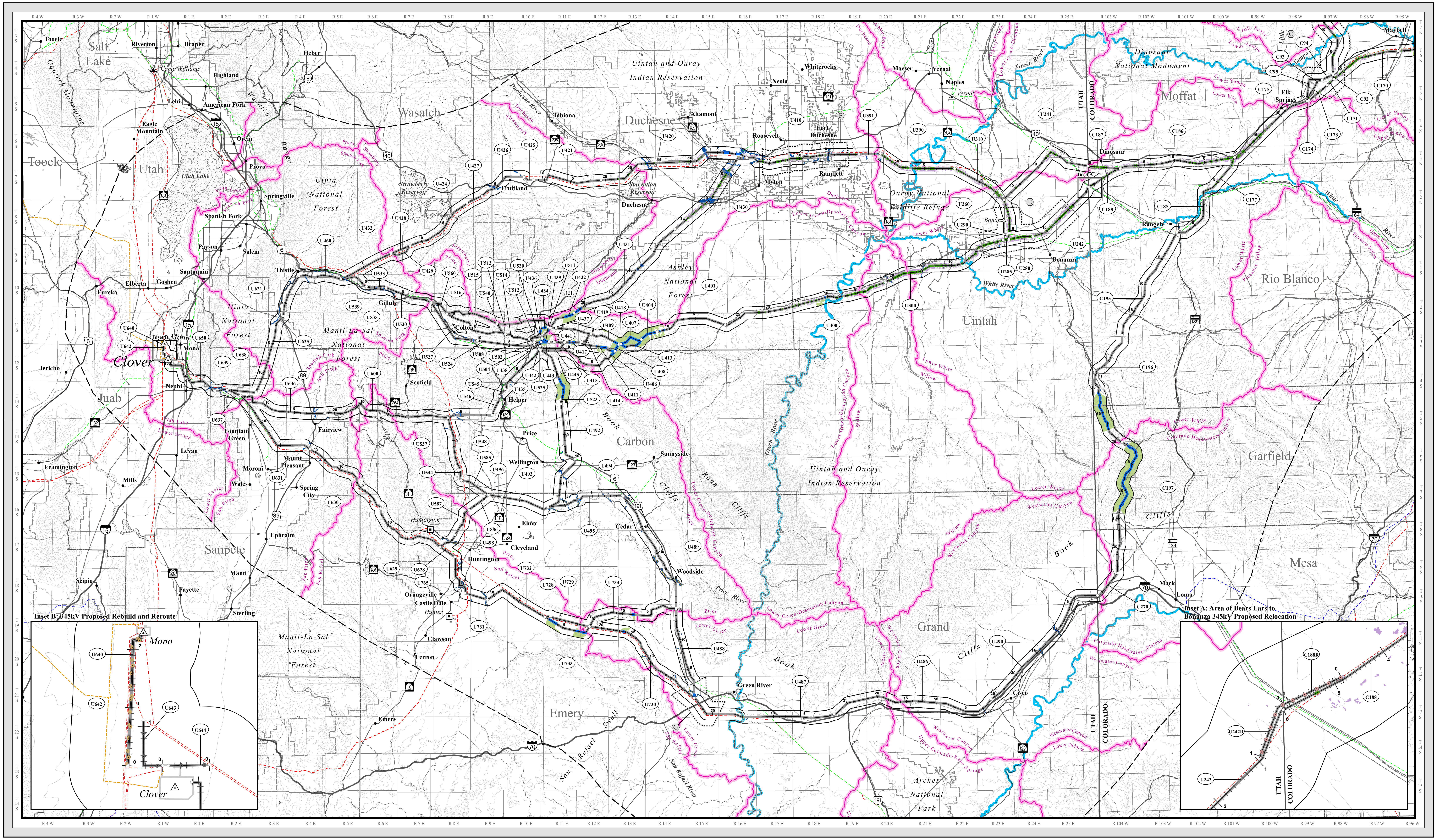
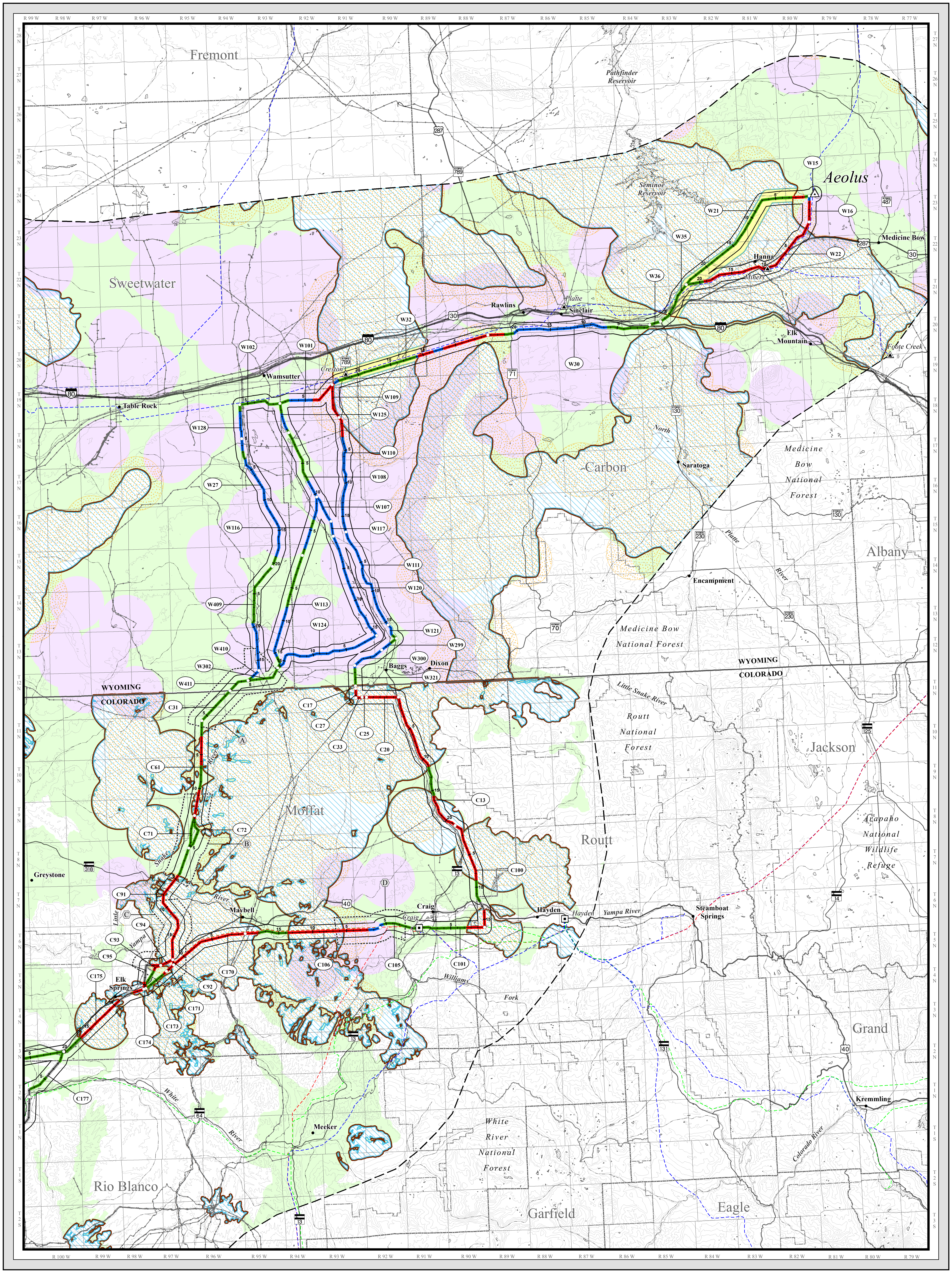
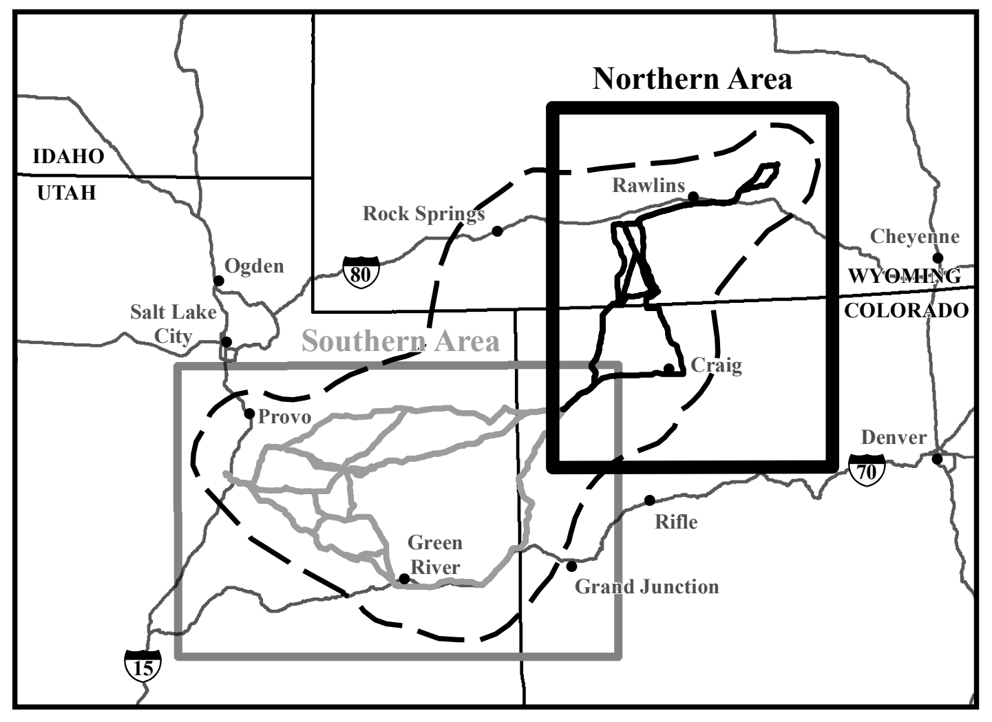

Inset B: 345kV Proposed Rebuild and Reroute
Inset A: Area of Bears Ears to Bonanza 345kV Proposed Relocation
Mona
Clover
Salt Lake
Utah Lake
Uintah and Ouray Indian Reservation
Uinta National Forest
Manti-La Sal National Forest
Ashley National Forest
Dinosaur National Monument
Ouray National Wildlife Refuge
Arches National Park
Tooele
Utah
Wasatch
Duchesne
Uintah
Carbon
Emery
Grand
Juab
Sanpete
Moffat
Rio Blanco
Garfield
Mesa
UTAH
COLORADO



Greater Sage-grouse Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

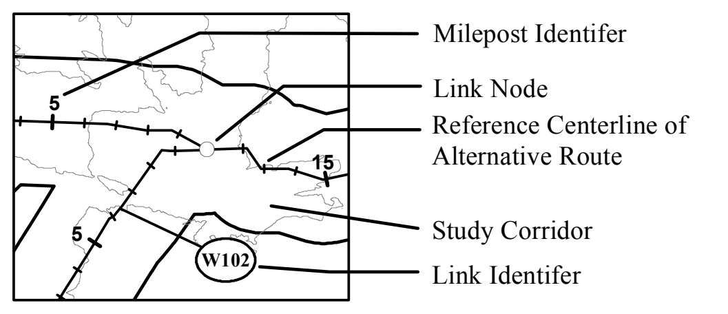


Resource Inventory

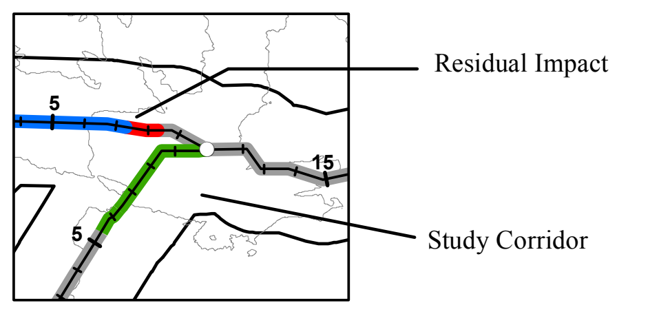
GREATER SAGE-GROUSE HABITAT[1]

▭	Greater Sage-grouse Priority Area for Conservation
▨	Greater Sage-grouse Core Area or Priority Habitat
▨	Greater Sage-grouse Habitat within 4 miles of Leks Located in Core Areas or Priority Habitat
🟪	Greater Sage-grouse Habitat within 4 miles of Leks Located outside Core Areas or Priority Habitat
🟩	Greater Sage-grouse General Habitat[2]
🟨	Greater Sage-grouse Transmission Line Corridors Designated in Wyoming Executive Order 2011-5

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

▭	Project Area Boundary		345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Ⓐ	Series Compensation Station Siting Area		345kV Proposed Reroute (Segment 4c - Inset B)
	Alternative Route		

General Reference

•	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
	500kV Transmission Line		Lake or Reservoir
	345kV Transmission Line		River or Stream
	230kV Transmission Line	▭	State Boundary
	138kV Transmission Line		County Boundary
	Railroad		Jurisdictional Boundary
	Pipeline		

Sources:

Sage-grouse Priority Areas for Conservation, BLM 2013a;
Sage-grouse Preliminary Priority Habitat Colorado, CPW 2012h; Sage-grouse Occupied Habitat Utah, UDWR 2012d;
Sage-grouse Core Areas Wyoming, WGFD 2010c;
Sage-grouse Leks, CPW 2014b, UDWR 2014a, WGFD 2013;
Sage-grouse Preliminary General Habitat Colorado, CPW 2012h; Sage-grouse Linkages Colorado, CPW 2012;
Sage-grouse Western U.S. Range, Washington Department of Fish and Wildlife 2002;
Sage-grouse Habitat Protection Corridors, WGFD 2010;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Sage-grouse habitat is only shown within the Project area boundary.

[2] Includes preliminary general sage-grouse habitat in Colorado and sage-grouse habitat outside of core areas in Wyoming.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

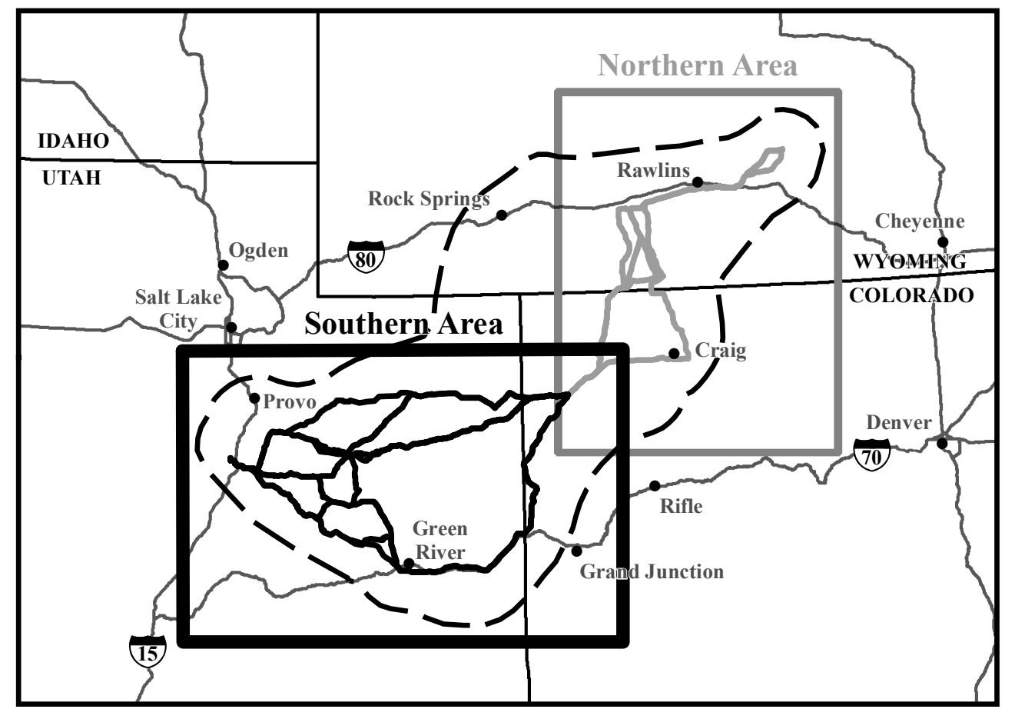
Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

MV-12b

Greater Sage-grouse Habitats

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

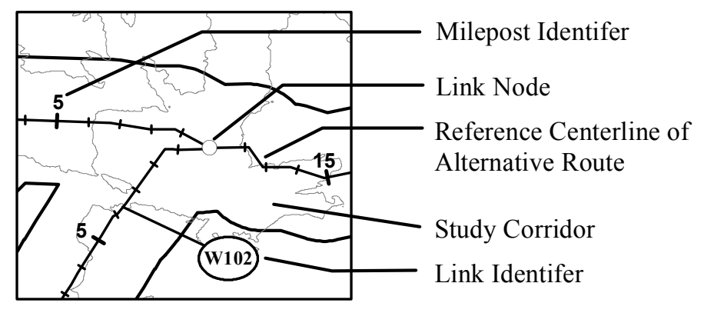


Resource Inventory

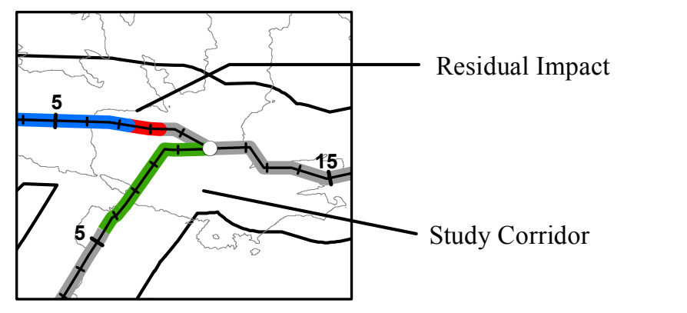
GREATER SAGE-GROUSE HABITAT[1]

- ▭ Greater Sage-grouse Priority Area for Conservation
- ▨ Greater Sage-grouse Core Area or Priority Habitat
- ▨ Greater Sage-grouse Habitat within 4 miles of Leks Located in Core Areas or Priority Habitat
- ■ Greater Sage-grouse Habitat within 4 miles of Leks Located outside Core Areas or Priority Habitat
- 🟩 Greater Sage-grouse General Habitat[2]
- 🟨 Greater Sage-grouse Transmission Line Corridors Designated in Wyoming Executive Order 2011-5

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
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Project Features

⌜⌟	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

•	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
----	500kV Transmission Line	▨	Lake or Reservoir
----	345kV Transmission Line	—··—	River or Stream
----	230kV Transmission Line	▭	State Boundary
----	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
•—•	Pipeline		

Sources:

Sage-grouse Priority Areas for Conservation, BLM 2013a;
Sage-grouse Preliminary Priority Habitat Colorado, CPW 2012h; Sage-grouse Occupied Habitat Utah, UDWR 2012d;
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